# □□ & □□□□□

□□□□□□ & □□□~

- □□
- □□□□
- □□□□
- □□□□□□□
- □□□□
- □□□□□
- □□□□

# □□

> “ s□□udio.tdogmc.cn/cape

TDoGMC Studio □□ **3D** □□□□□□□□□□ 3D □□□□□□□□□□

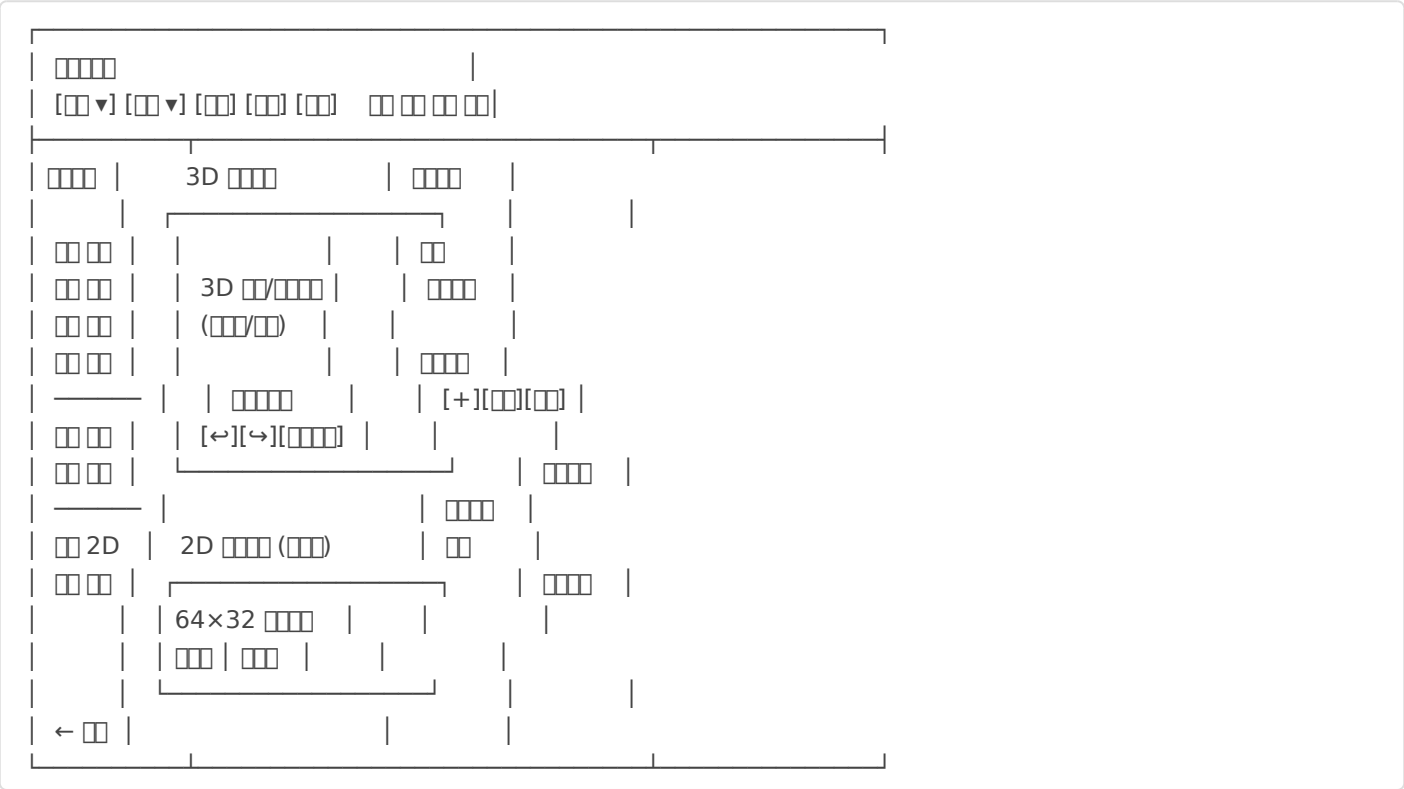
| □□ | □□ |
| --- | --- |
| □□□□ | 30 □ |
| □□□□ | PNG □□ / □□ |
| 3D □□ | Three.js + skinview3d |

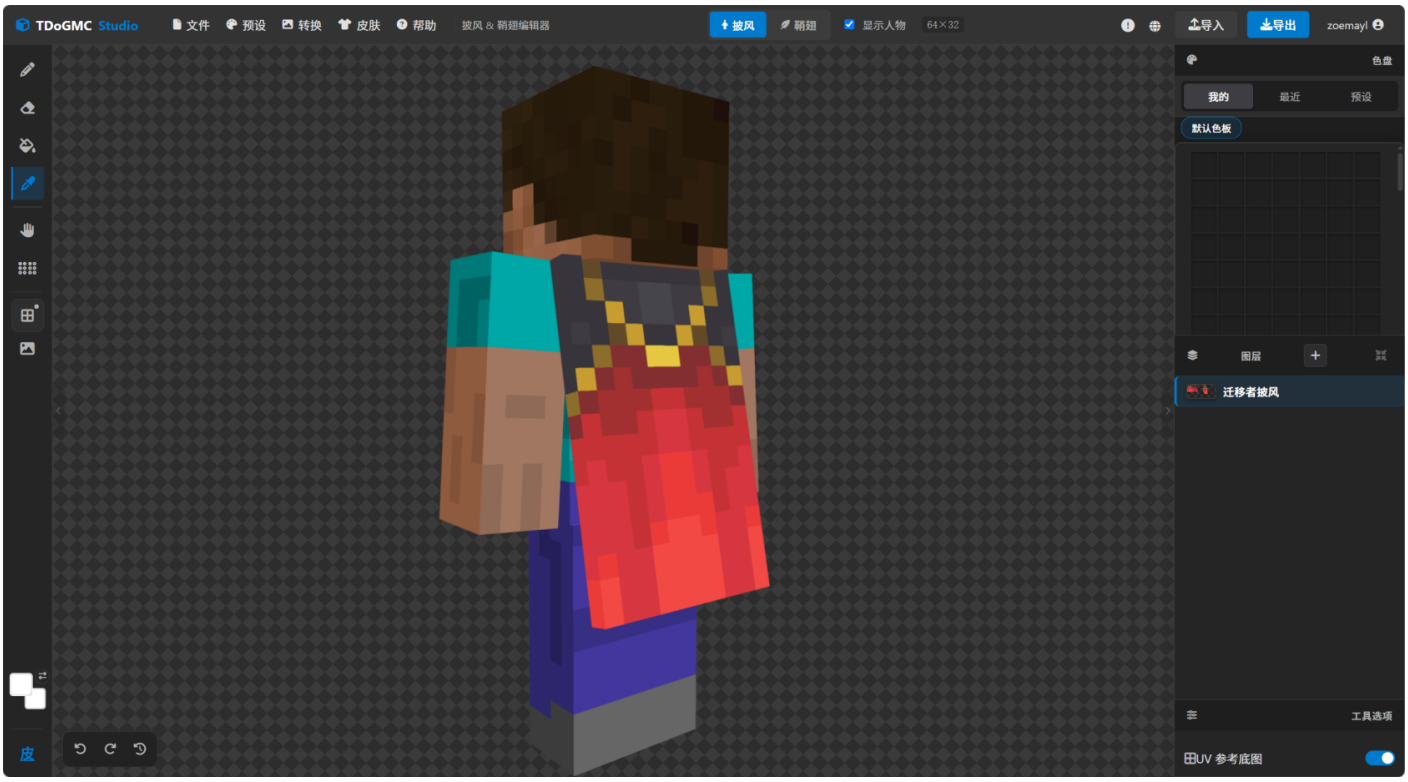
## □□□□


- □□□□
- □□□□
- □□□□□□□□
- □□□□
- □□□□□
- □□□□

# □□□□

## □□□□


□□□□□□
[□□ ▾] [□□ ▾] [□□] [□□] [□□]
□□ □□ □□ □□
□□□□□
3D □□□□□
□□□□□
□□ □□
□□ □□
□□ □□
□□ □□
□□ □□
□□ □□
□□ 2D
□□ □□
3D □□/□□□□
(□□□□/□□)
□□□□□
[+][□□][□□]
[↩][↪][□□□□]
□□□□□
□□□□□
□□
□□□□□
64×32 □□□□
□□□
□□
← □□




## □□□□□□□

□□□□□□□□□□□□

- □□+□□□□□□□□□ 0–21□□ 0–16□
- □□+□□□□□□□□□ 22–45□□ 0–21□

> □□ □□□□□□□□□ 64×32 □□□□□□□□□□□□□□□□

□□□□□□□

## □□□□□□□

1. □□P□□□□
2. □□□□□□□□□□
3. □**3D** □□□□□□□□□
4. □□□□□□□□□□□□□□□□□

# □□□□□□□

□□□□ **PNG** □□□ `Ctrl + S`□

- □□□□□□□□□□□□□□□□
- □□□□PNG □□□□

> □□ □□□ PNG □□□□□□ Minecraft □□□□□□□□□□□□□□□□OptiFine□Lunar Client □□

# □□□□□

| □□□ | □□ |
| --- | --- |
| `P` | □□□□□ |
| `E` | □□□□ |
| `G` | □□□□□□ |
| `I` | □□□□□ |
| `N` | □□□□□ |
| `H` | □□□□□□□□□ |
| `Ctrl + Z` | □□ |
| `Ctrl + Y` | □□ |
| `Ctrl + S` | □□ / □□□ |
| `Tab` | □□ 2D □□□□ |
| `X` | □□□□□□ / □□□ |
| `[ / ]` | □□ / □□□□ |

# □□□

- □□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□□

# □□□□

## □□

P□□□

□ 3D □□□□□□2D □□□□□□□□□□□

- **3D □□□**/ □□□□□ → □□□□ → UV □□ → □□
- **2D □□□**/ □□□□□
- □□ **Bresenham** □□□□□□□□
- 1 – 10 □□□□□□□

## □□□

E□□□

□□□□Alpha → 0□□□□□□□□□□□"□"□□□□

- □□ 3D □ 2D □□
- □□□□□□

## □□□

G□□□

□□□□□□□□□□□

□□□□

| □□ | □□ |
| --- | --- |
| 0 – 32 | □□□□□□□□□□□□□□□ |
| 64 – 128 | □□□□□□□□□□□□□□□ |
| 192 – 255 | □□□□□□□□□□□□□□□ |

## [illegible]

[illegible]

[illegible]

- 3D [illegible]
- 2D [illegible]
- [illegible]

> ⚠ [illegible]

## [illegible]

[illegible]

[illegible]

- **3D** [illegible]
- **2D** [illegible]
- [illegible]

## [illegible]

[illegible]

[illegible]

- **0% – 100%**
- [illegible]

## [illegible]

| □□ | □□ | □□□ |
| --- | --- | --- |
| □□ | 0 – 255 | □□□ |
| □□□□ | 0% – 100% | □□□□ |

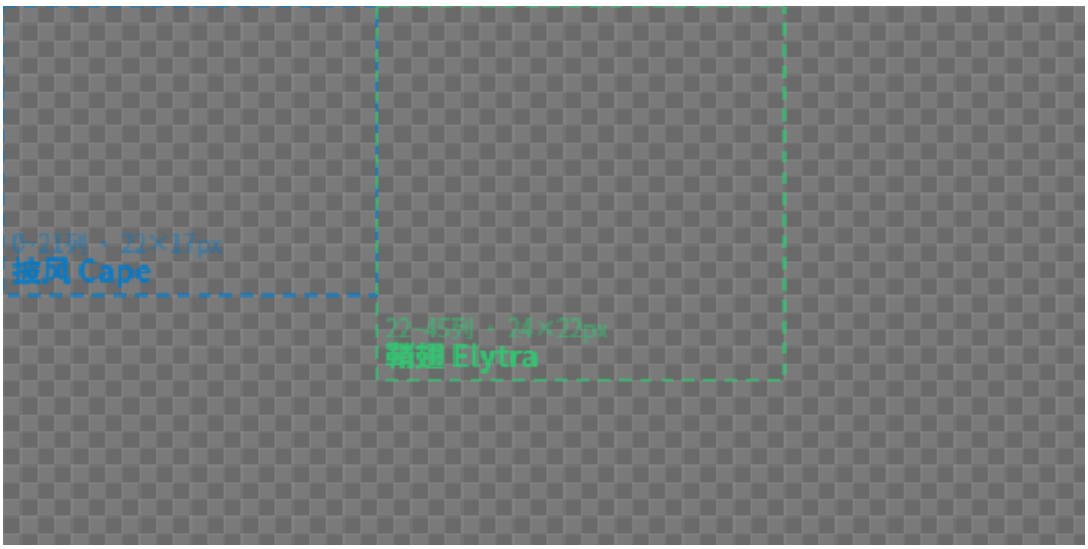
# 3D □□□

| □□ | □□ |
| --- | --- |

# 64 × 32

```
┌──────────────────────┬──────────────────────────┐
│                      │                          │
│   □□□□               │   □□□□                   │
│   Cape Region        │   Elytra Region          │
│                      │                          │
│   □ 0 – 21           │   □ 22 – 45              │
│   22 × 17 □□         │   24 × 22 □□             │
│                      │   (□□□□□□ UV)            │
│                      │                          │
└──────────────────────┴──────────────────────────┘
```

64 □□□ × 32 □□□




# Cape Elytra

3D

> [illegible] 3D [illegible] 2D [illegible]

# [illegible]

- 3D [illegible]
- [illegible] **0 – 21 0 – 16**
- [illegible]

# [illegible]

- 3D [illegible]
- [illegible] **22 – 45 0 – 21**
- [illegible]

## [illegible]

[illegible] 3D [illegible]

> [illegible]

# [illegible] UV [illegible]

[illegible] Minecraft [illegible] UV [illegible]

> ⚠ [illegible]

# 3D [illegible]

**Steve** [illegible] / [illegible]

# □□□□

1. □□□□□□□
2. □□□□□□□
3. □□□□□□□□□
4. □□□□□□□□□□□□
5. □□□ **64 × 32 PNG**

# □□□□

□□□

| □□ | □□ |
| --- | --- |
| □□□□ | `source-over` □□□□□□ |

# □□□□

□□□□□
□□□□□

# □□□□□

□□□□

| [illegible] | [illegible] |
|---|---|
| [illegible] | [illegible] |
| [illegible] / Logo | [illegible] |
| [illegible] | [illegible] |
| [illegible] | 22×17 [illegible] |
| [illegible] | [illegible] |

[illegible]

[illegible] PNG[illegible] · [illegible] JPEG · [illegible] GIF · [illegible] WebP · [illegible] BMP

> ⚠ [illegible] **10 MB**[illegible]

# □□□□

□□□□□□□□□□90% □□□□□□□□□□

**Q: □□□□□□□□□□□□□□□□**

**A:** □□□□□□□□□□□□□□□□□□□Pro □□□□□□□□□□□□□□□□□□□□ 1024×512□□□□□□□□□□□□

**Q: □□□□□□□□□□□□□□□□□□□□□□□□**

**A:** □□□□□□□□□□□□□□□□□□□□□□□□□□□□ Chrome□Edge □ Firefox□□□□□□□□□□ WebGL □□□□□ 3D □□□□□□□

**Q: □□□□□□□□□□□□□□□□□□□□□□□□□□□□**

□□□□□□□□□

- □□□□3D □□□
- □□□□□□□□
- □□□□□□□□□
- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

**Q: □□□□□ 3D □□□□□□□□□□□□□□□□□**

3D □□□□□□□□□□□□□□□□ UV □□□□□□□□□□□□□□□□□□□□□□□□

- □□□□□ — □□□□□□□□□□□□□□
- □□□□□□□□□□□□□ — □□□□□□□□□□□□□□□□□□
- □□□□3D □□□□□□□□□□□□□□ 2D □□□□□□□□□□□□□□

**Q: □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□**

□□□□□□□□□□IndexedDB□□□□□□□□□□□□□□□□□□□

- □□□□□□□□□□□□
- □□□□□□"□□□□□□□□□"□

□□□□□□□□□□□

**Q: □□□□□ Ctrl+Z□□□□□□□□□□**

□□□□□□□□□□□

**Q: [illegible]**

**A:** [illegible]

**Q: [illegible]**

**A:** [illegible]

**Q: 3D [illegible]**

[illegible] WebGL [illegible]

- "[illegible]"[illegible]
- [illegible]
- [illegible]

**Q: [illegible]**

**A:** [illegible] 3D [illegible]

**Q: [illegible]**

**A:** [illegible] **64×32**[illegible]Minecraft [illegible] 128×64[illegible]256×128[illegible]Pro [illegible] 512×256 [illegible] 1024×512[illegible]

**Q: [illegible] PNG [illegible] Minecraft [illegible]**

**A:** [illegible] Minecraft [illegible]OptiFine[illegible]Lunar Client [illegible]

**Q: [illegible]**

**A:** [illegible] PNG[illegible]

[illegible] tdogmc@163.com [illegible] ·