

Converting Colors

XYZ(8.7911, 12.8518, 17.5137)

Have a look what the booklet for
XYZ(8.7911, 12.8518, 17.5137)
contains.

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Color

**XYZ(8.7748, 12.7806,
17.6272)**

Conversions

Conversions Part 1

Format	Color
Hex	007071
RGB	0, 112, 113
RGB Percent	0%, 44%, 44%
CMY	1.0000, 0.5608, 0.5569
CMYK	1.00, 0.01, 0.00, 0.56
HSL	181°, 100%, 22%
HSV	181°, 100%, 44%
XYZ	8.7748, 12.7806, 17.6272
YIQ	78.6260, -67.0730, -23.4330

Conversions

Conversions Part 2

Format	Color
RYB	0, 56, 113
Decimal	28785
CIELab	42.43, -25.88, -8.26
CIELCh	42, 27.163, 197.703
Yxy	12.7806, 0.2239, 0.3262
Android (android.graphics.Color)	4278218865 (0xFF007071)
YUV	78.6260, 16.9464, -68.9550
Hunter-Lab	35.7500, -18.7498, -4.2091

Details

The XYZ color **8.7748, 12.7806, 17.6272** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.8212, 3.5327, 0.3227**, and the grayscale version is **7.3390, 7.7212, 8.4084**.

A 20% lighter version of the original color is **23.1276, 30.8453, 40.3321**, and **2.7316, 3.9367, 5.6169** is the 20% darker color. If you saturate the color by 10%, you get **8.7750, 12.7810, 17.6275**, and if you desaturate by 10%, it is **8.9282, 12.8764, 17.6378**.

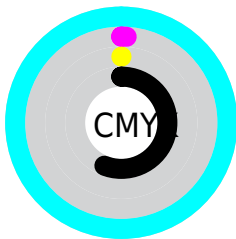
Distribution



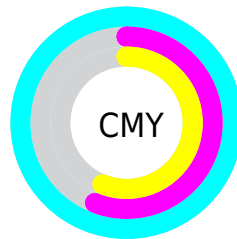
- Red (0%)
- Green (44%)
- Blue (44%)



- Red (0%)
- Yellow (22%)
- Blue (44%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (56%)



- Cyan (100%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7748, 12.7806, 17.6272 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 8.7748, 12.7806, 17.6272 by changing the saturation by 10% instead.

8.7748, 12.7806,
17.6272

8.7748, 12.7806,
17.6272

175.9318,
209.5067, 250.9264

4.6505, 7.2776,
10.5160

23.1351, 30.9091,
40.2064

2.0763, 3.6363,
5.6324

34.1018, 44.3033,
56.5114

0.6763, 1.4723,
2.5577

48.0801, 61.0969,
76.7182

0.0000, 0.2691,
0.8705

65.4353, 81.6740,
101.2452

0.0000, 0.0000,
0.0000

86.5326, 106.4192,
130.5110

111.7376,

135.7168, 164.9341

141.4155,
169.9511, 204.9331

8.7748, 12.7806,
17.6272

8.7748, 12.7806,
17.6272

8.7750, 12.7810,
17.6275

8.9282, 12.8764,
17.6378

9.1416, 13.0028,
17.6510

9.4650, 13.1858,
17.6693

9.9108, 13.4321,
17.6933

10.4900, 13.7471,
17.7236

■ 11.2122, 14.1359,
17.7606

■ 12.0863, 14.6030,
17.8047

■ 13.1203, 15.1526,
17.8562

■ 14.3217, 15.7885,
17.9157

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



8.6978, 12.7806, 11.6536



8.7748, 12.7806, 17.6272



9.6898, 12.7806, 24.0129

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



8.7748, 12.7806, 17.6272



15.2929, 12.7806, 22.9489



13.0040, 12.7806, 5.5607

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



8.7748, 12.7806, 17.6272



6.8212, 3.5327, 0.3227

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.9893, 12.7806, 7.1400



8.7748, 12.7806, 17.6272



16.4067, 12.7806, 16.4535

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



8.7748, 12.7806, 17.6272



13.3824, 12.7806, 27.6296



16.2898, 12.7806, 10.7659



10.9911, 12.7806, 5.7111

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



8.7748, 12.7806, 17.6272



10.7165, 12.7806, 27.1450



16.2898, 12.7806, 10.7659



13.7006, 12.7806, 5.8832

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



8.7752, 12.7811, 17.6275



21.5047, 26.0756, 31.8752



5.9054, 11.8105, 1.9688



4.8516, 5.9654, 7.3655



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



8.7752, 12.7811, 17.6275



15.7078, 22.8758, 31.5631



4.4197, 4.0700, 16.1757



3.4726, 3.8104, 4.3067



9.9530, 14.4962, 19.9951



49.5443, 72.1405, 99.5924

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.7350, 4.6809, 15.7202



17.4292, 8.3804, 28.1353



8.2491, 6.3885, 0.7987



3.5132, 3.4530, 4.2292



11.0421, 5.3092, 17.8296



54.9877, 26.4404, 88.7220

Previews

White Background



This preview shows how the XYZ color 8.7748, 12.7806, 17.6272 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 8.7748, 12.7806, 17.6272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

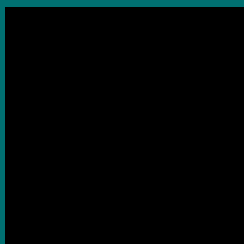
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 8.7748, 12.7806, 17.6272

Background



This preview shows how black text looks on a background with the XYZ color 8.7748, 12.7806, 17.6272.



This preview shows how white text looks on a background with the XYZ color 8.7748, 12.7806,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

8.7748, 12.7806, 17.6272

Protanopia

12.2672, 12.6529, 15.1603

Deuteranopia

12.9996, 12.8211, 18.3126



Tritanopia

9.3432, 12.8634, 19.7597

Trichromacy



Original Color

8.7748, 12.7806, 17.6272

Protanomaly

9.7714, 12.0733, 16.0027

Deuteranomaly

10.1247, 12.0621, 18.0142

Tritanomaly

9.0469, 12.7314, 18.8102

Monochromacy



Original Color

8.7748, 12.7806, 17.6272

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

6.9448, 8.9156, 11.2524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7748, 12.7806, 17.6272 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 112, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 113)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 112, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 113) }
```

Border

The CSS property to change the border of an element to XYZ 8.7748, 12.7806, 17.6272 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 112, 113) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 112, 113) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 112, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7748, 12.7806, 17.6272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 113) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 112,  
113) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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