

Converting Colors

XYZ(11.7703, 17.0770, 23.0982)

Have a look what the booklet for
XYZ(11.7703, 17.0770, 23.0982)
contains.

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Color

**XYZ(11.7671, 17.0750,
23.0977)**

Conversions

Conversions Part 1

Format	Color
Hex	0C8080
RGB	12, 128, 128
RGB Percent	5%, 50%, 50%
CMY	0.9529, 0.4980, 0.4980
CMYK	0.91, 0.00, 0.00, 0.50
HSL	180°, 83%, 27%
HSV	180°, 91%, 50%
XYZ	11.7671, 17.0750, 23.0977
YIQ	93.3160, -69.1360, -24.5920

Conversions

Conversions Part 2

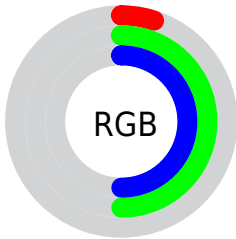
Format	Color
RYB	12, 70, 128
Decimal	819328
CIELab	48.35, -28.19, -8.32
CIELCh	48, 29.393, 196.450
Yxy	17.0750, 0.2266, 0.3287
Android (android.graphics.Color)	4279009408 (0xFF0C8080)
YUV	93.3160, 17.0992, -71.3141
Hunter-Lab	41.3219, -21.4825, -4.2160

Details

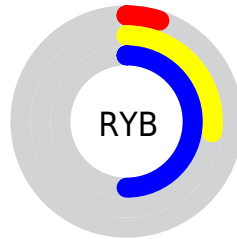
The XYZ color **11.7671, 17.0750, 23.0977** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.1005, 4.8793, 0.8106**, and the grayscale version is **10.4526, 10.9969, 11.9757**.

A 20% lighter version of the original color is **28.6107, 38.3152, 49.6037**, and **4.1357, 6.0133, 8.3398** is the 20% darker color. If you saturate the color by 10%, you get **11.6157, 16.9973, 23.0910**, and if you desaturate by 10%, it is **12.0122, 17.2017, 23.1096**.

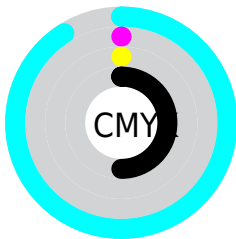
Distribution



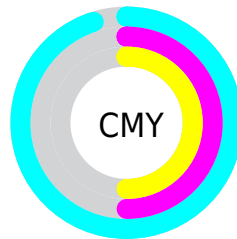
- Red (5%)
- Green (50%)
- Blue (50%)



- Red (5%)
- Yellow (27%)
- Blue (50%)



- Cyan (91%)
- Magenta (0%)
- Yellow (0%)
- Black (50%)



- Cyan (95%)
- Magenta (50%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7671, 17.0750, 23.0977 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 11.7671, 17.0750, 23.0977 by changing the saturation by 10% instead.

■ 11.7671, 17.0750,
23.0977

■ 11.7671, 17.0750,
23.0977

■ 196.6588,
235.6042, 281.3646

■ 6.6564, 10.2880,
14.4597

■ 28.6908, 38.4547,
49.4789

■ 3.2925, 5.5903,
8.2987

■ 41.2344, 53.8161,
68.0592

■ 1.3103, 2.5976,
4.1962

■ 56.9864, 72.8045,
90.7907

■ 0.1909, 0.9255,
1.7336

■ 76.3120, 95.8042,
118.0919

■ 0.0000, 0.0000,
0.3836

■ 99.5768, 123.1996,
150.3813

■ 0.0000, 0.0000,
0.0000

■ 127.1459,

155.3752, 188.0776

159.3848,
192.7153, 231.5991

■ 11.7671, 17.0750,
23.0977

■ 11.7671, 17.0750,
23.0977

■ 11.6157, 16.9973,
23.0910

■ 12.0122, 17.2017,
23.1096

■ 12.4011, 17.4022,
23.1278

■ 12.9519, 17.6861,
23.1536

■ 13.6797, 18.0613,
23.1877

■ 14.5978, 18.5346,
23.2307

■ 15.7183, 19.1123,
23.2832

■ 17.0522, 19.7999,
23.3456

■ 18.6099, 20.6030,
23.4186

■ 20.4009, 21.5263,
23.5024

Harmonies

Analogous

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



11.7126, 17.0750, 15.3405



11.7671, 17.0750, 23.0977



12.9279, 17.0750, 31.4884

Triad

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



11.7671, 17.0750, 23.0977



20.2631, 17.0750, 30.7429



17.4683, 17.0750, 7.6093

Complementary

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



11.7671, 17.0750, 23.0977



9.1005, 4.8793, 0.8106

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.



20.0497, 17.0750, 9.8074



11.7671, 17.0750, 23.0977



21.7793, 17.0750, 22.2728

Square

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



11.7671, 17.0750, 23.0977



17.7346, 17.0750, 36.6677



21.6971, 17.0750, 14.7136



14.8117, 17.0750, 7.7165

Rectangle

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



11.7671, 17.0750, 23.0977



14.2540, 17.0750, 35.6923



21.6971, 17.0750, 14.7136



18.3791, 17.0750, 8.0699

Sweetspot

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



11.7676, 17.0756, 23.0981



28.3356, 33.9904, 41.0235



7.9662, 15.5584, 2.9316



6.4881, 7.8828, 9.5979



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



11.7676, 17.0756, 23.0981



20.4507, 29.9256, 40.6541



6.3619, 6.2642, 21.2965



4.4464, 4.8869, 5.5222



11.5175, 16.8536, 22.8957



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.1005, 4.8793, 0.8106



15.6735, 8.0800, 0.7335



11.0406, 8.7595, 1.4572



4.3278, 4.3443, 4.5306



8.8271, 4.5505, 0.4131



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.7671, 17.0750, 23.0977 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 11.7671, 17.0750, 23.0977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

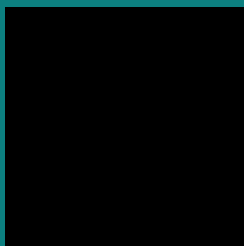
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7671, 17.0750, 23.0977

Background



This preview shows how black text looks on a background with the XYZ color 11.7671, 17.0750, 23.0977.



This preview shows how white text looks on a background with the XYZ color 11.7671, 17.0750,

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

11.7671, 17.0750, 23.0977

Protanopia

16.4173, 17.0114, 19.8710

Deuteranopia

17.1854, 16.8167, 24.1700



Tritanopia

12.5307, 17.2045, 26.3273

Trichromacy



Original Color

11.7671, 17.0750, 23.0977

Protanomaly

13.2516, 16.2185, 20.8444

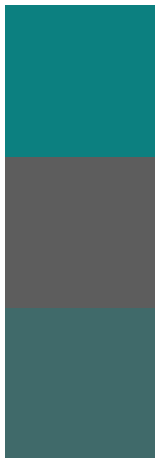
Deuteranomaly

13.6825, 16.0235, 23.8444

Tritanomaly

12.2017, 17.0594, 25.2040

Monochromacy



Original Color

11.7671, 17.0750, 23.0977

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.8699, 12.4387, 15.5164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7671, 17.0750, 23.0977 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(12, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(12, 128, 128)  
}
```

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(12, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 128, 128) }
```

Border

The CSS property to change the border of an element to XYZ 11.7671, 17.0750, 23.0977 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(12, 128, 128) }
```


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

```
.border{ border-color:rgb(12, 128, 128) }
```

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

Here you see how a box with a 4 pixel rgb(12, 128, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(12, 128,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7671, 17.0750, 23.0977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 128, 128) }
```

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

```
.background{ background-color: rgb(12, 128,  
128) }
```

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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