

Converting Colors

XYZ(12.0210, 17.5913, 23.8938)

Have a look what the booklet for
XYZ(12.0210, 17.5913, 23.8938)
contains.

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Color

**XYZ(12.0119, 17.5770,
23.8787)**

Conversions

Conversions Part 1

Format	Color
Hex	008282
RGB	0, 130, 130
RGB Percent	0%, 51%, 51%
CMY	0.9999, 0.4902, 0.4902
CMYK	1.00, 0.00, 0.00, 0.49
HSL	180°, 100%, 25%
HSV	180°, 100%, 51%
XYZ	12.0119, 17.5770, 23.8787
YIQ	91.1300, -77.4800, -27.5600

Conversions

Conversions Part 2

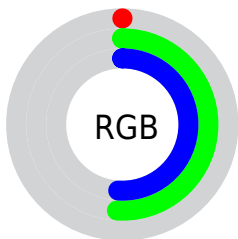
Format	Color
RYB	0, 65, 130
Decimal	33410
CIELab	48.98, -29.17, -8.58
CIELCh	49, 30.401, 196.386
Yxy	17.5770, 0.2247, 0.3287
Android (android.graphics.Color)	4278223490 (0xFF008282)
YUV	91.1300, 19.1629, -79.9210
Hunter-Lab	41.9249, -22.2267, -4.4217

Details

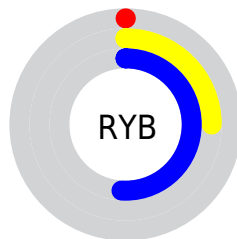
The XYZ color **12.0119, 17.5770, 23.8787** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.2065, 4.7464, 0.4314**, and the grayscale version is **9.9452, 10.4631, 11.3943**.

A 20% lighter version of the original color is **29.0480, 39.1249, 50.8206**, and **4.3539, 6.3314, 8.7772** is the 20% darker color. If you saturate the color by 10%, you get **12.0122, 17.5775, 23.8791**, and if you desaturate by 10%, it is **12.1785, 17.6632, 23.8869**.

Distribution



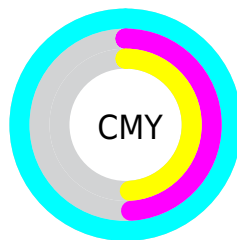
- Red (0%)
- Green (51%)
- Blue (51%)



- Red (0%)
- Yellow (25%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (49%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0119, 17.5770, 23.8787 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 12.0119, 17.5770, 23.8787 by changing the saturation by 10% instead.

12.0119, 17.5770,
23.8787

12.0119, 17.5770,
23.8787

198.2524,
238.4759, 285.4734

6.8240, 10.6467,
15.0323

29.1334, 39.3152,
50.7735

3.3976, 5.8298,
8.6952

41.7978, 54.8919,
69.6590

1.3674, 2.7419,
4.4488

57.6851, 74.1196,
92.7280

0.2328, 0.9985,
1.8746

77.1607, 97.3826,
120.3989

0.0000, 0.0000,
0.4765

100.5898,
125.0653, 153.0904

0.0000, 0.0000,
0.0000

128.3379,

157.5522, 191.2210

160.7703,
195.2276, 235.2091

■ 12.0119, 17.5770,
23.8787

■ 12.0119, 17.5770,
23.8787

■ 12.0122, 17.5775,
23.8791

■ 12.1785, 17.6632,
23.8869

■ 12.4387, 17.7974,
23.8992

■ 12.8496, 18.0092,
23.9184

■ 13.4293, 18.3081,
23.9456

■ 14.1934, 18.7020,
23.9814

■ 15.1556, 19.1980,
24.0265

■ 16.3284, 19.8026,
24.0814

■ 17.7232, 20.5217,
24.1467

■ 19.3508, 21.3607,
24.2229

Harmonies

Analogous

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



11.9573, 17.5770, 15.7004



12.0119, 17.5770, 23.8787



13.2278, 17.5770, 32.7797

Triad

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



12.0119, 17.5770, 23.8787



20.9627, 17.5770, 32.0226



18.0199, 17.5770, 7.6385

Complementary

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



12.0119, 17.5770, 23.8787



9.2065, 4.7464, 0.4314

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.



20.7469, 17.5770, 9.9293



12.0119, 17.5770, 23.8787



22.5711, 17.5770, 23.0448

Square

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



12.0119, 17.5770, 23.8787



18.2886, 17.5770, 38.3146



22.4879, 17.5770, 15.0710



15.2182, 17.5770, 7.7448

Rectangle

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



12.0119, 17.5770, 23.8787



14.6206, 17.5770, 37.2574



22.4879, 17.5770, 15.0710



18.9817, 17.5770, 8.1181

Sweetspot

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



12.0124, 17.5777, 23.8791



28.5993, 34.7928, 42.4006



8.0103, 15.9799, 2.6627



6.3017, 7.7867, 9.5891



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.



12.0124, 17.5777, 23.8791



21.1538, 30.9545, 42.0516



6.0472, 5.6471, 21.8911



4.4464, 4.8869, 5.5222



11.5175, 16.8536, 22.8956



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.2065, 4.7464, 0.4314



16.2124, 8.3578, 0.7588



10.9751, 8.2836, 1.0209



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 12.0119, 17.5770, 23.8787 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 12.0119, 17.5770, 23.8787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

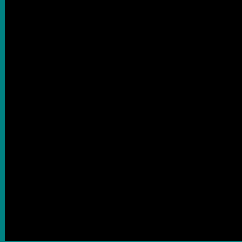
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.0119, 17.5770, 23.8787

Background



This preview shows how black text looks on a background with the XYZ color 12.0119, 17.5770, 23.8787.

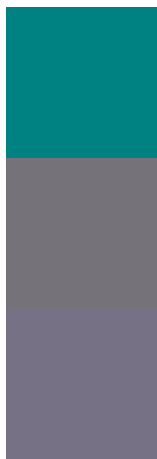


This preview shows how white text looks on a background with the XYZ color 12.0119, 17.5770,

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

12.0119, 17.5770, 23.8787

Protanopia

16.9180, 17.4239, 20.5606

Deuteranopia

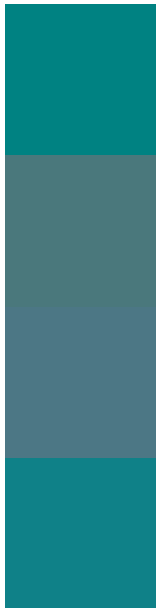
17.8160, 17.4534, 24.9841



Tritanopia

12.8871, 17.7588, 27.1747

Trichromacy



Original Color

12.0119, 17.5770, 23.8787

Protanomaly

13.1786, 16.3440, 21.5289

Deuteranomaly

13.8110, 16.4236, 24.6325

Tritanomaly

12.4912, 17.5796, 26.0274

Monochromacy



Original Color

12.0119, 17.5770, 23.8787

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

9.3463, 12.0226, 15.1926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0119, 17.5770, 23.8787 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, 130, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 130)  
}
```

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, 130, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 130) }
```

Border

The CSS property to change the border of an element to XYZ 12.0119, 17.5770, 23.8787 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, 130, 130) }
```


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

```
.border{ border-color:rgb(0, 130, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0119, 17.5770, 23.8787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 130) }
```

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

```
.background{ background-color: rgb(0, 130,  
130) }
```

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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