

Converting Colors

XYZ(33.2683, 48.6826, 66.1309)

Have a look what the booklet for
XYZ(33.2683, 48.6826, 66.1309)
contains.

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Color

**XYZ(33.2119, 48.5988,
66.0226)**

Conversions

Conversions Part 1

Format	Color
Hex	00CECE
RGB	0, 206, 206
RGB Percent	0%, 81%, 81%
CMY	0.9998, 0.1921, 0.1922
CMYK	1.00, 0.00, 0.00, 0.19
HSL	180°, 100%, 40%
HSV	180°, 100%, 81%
XYZ	33.2119, 48.5988, 66.0226
YIQ	144.4060, -122.7760, -43.6720

Conversions

Conversions Part 2

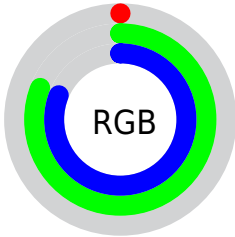
Format	Color
RYB	0, 103, 206
Decimal	52942
CIELab	75.20, -40.94, -12.04
CIELCh	75, 42.669, 196.386
Yxy	48.5988, 0.2247, 0.3287
Android (android.graphics.Color)	4278243022 (0xFF00CECE)
YUV	144.4060, 30.3658, -126.6441
Hunter-Lab	69.7128, -36.9583, -7.3525

Details

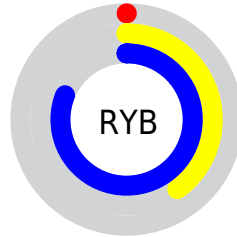
The XYZ color **33.2119, 48.5988, 66.0226** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.4552, 13.1234, 1.1929**, and the grayscale version is **26.5964, 27.9814, 30.4718**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.7341, 24.4002, 33.5335** is the 20% darker color. If you saturate the color by 10%, you get **33.2127, 48.6003, 66.0237**, and if you desaturate by 10%, it is **33.5147, 48.7559, 66.0380**.

Distribution



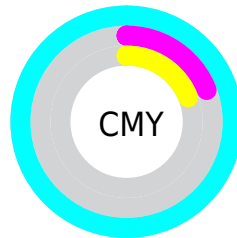
- Red (0%)
- Green (81%)
- Blue (81%)



- Red (0%)
- Yellow (40%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2119, 48.5988, 66.0226 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 33.2119, 48.5988, 66.0226 by changing the saturation by 10% instead.


 33.2119, 48.5988,
66.0226


 33.2119, 48.5988,
66.0226


308.2516,
381.1607, 464.8641


 22.4488, 34.3013,
47.8342


 64.0587, 88.0953,
115.1461


 14.3055, 23.1252,
33.3365


 84.8731, 114.0631,
146.9182


 8.4166, 14.6860,
22.1111


 109.7687,
144.6898, 184.0553

 4.4167, 8.5993,
13.7395

 139.1108,
180.3598, 226.9759

 1.9405, 4.4808,
7.8030

 173.2648,
221.4575, 276.0985

 0.6002, 1.9460,
3.8832

212.5960,

 0.0000, 0.5758,

268.3673, 331.8417

1.5615

257.4699,
321.4736, 394.6241

■ 0.0000, 0.0000,
0.2631

■ 0.0000, 0.0000,
0.0000

■ 33.2119, 48.5988,
66.0226

■ 33.2119, 48.5988,
66.0226

■ 33.2127, 48.6003,
66.0237

■ 33.5147, 48.7559,
66.0380

■ 34.1373, 49.0769,
66.0672

■ 35.1901, 49.6196,
66.1165

■ 36.7319, 50.4145,
66.1888

■ 38.8123, 51.4870,
66.2862

■ 41.4749, 52.8595,
66.4109

■ 44.7586, 54.5524,
66.5647

■ 48.6994, 56.5839,
66.7492

■ 53.3300, 58.9711,
66.9660

Harmonies

Analogous

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



33.0609, 48.5988, 43.4105



33.2119, 48.5988, 66.0226



36.5738, 48.5988, 90.6327

Triad

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



33.2119, 48.5988, 66.0226



57.9599, 48.5988, 88.5389



49.8232, 48.5988, 21.1199

Complementary

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



33.2119, 48.5988, 66.0226



25.4552, 13.1234, 1.1929

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.



57.3632, 48.5988, 27.4537



33.2119, 48.5988, 66.0226



62.4068, 48.5988, 63.7163

Square

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



33.2119, 48.5988, 66.0226



50.5663, 48.5988, 105.9358



62.1769, 48.5988, 41.6697



42.0769, 48.5988, 21.4137

Rectangle

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



33.2119, 48.5988, 66.0226



40.4248, 48.5988, 103.0131



62.1769, 48.5988, 41.6697



52.4825, 48.5988, 22.4460

Sweetspot

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



33.2134, 48.6006, 66.0238



72.2850, 88.2642, 107.8342



22.1159, 44.1666, 7.3608



14.9625, 18.6295, 23.0571



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.2134, 48.6006, 66.0238



53.8097, 78.7399, 106.9686



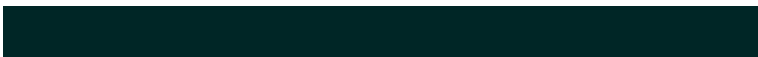
16.3431, 14.8597, 60.4012



11.5433, 12.7271, 14.4185



20.4507, 29.9256, 40.6541



1.0550, 1.5438, 2.0973

Inverse Universe

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



25.4552, 13.1234, 1.1929



41.2400, 21.2600, 1.9300



29.9730, 22.1590, 2.6988



11.2124, 11.2137, 11.6530



15.6735, 8.0800, 0.7335



0.8086, 0.4168, 0.0378

Previews

White Background



This preview shows how the XYZ color 33.2119, 48.5988, 66.0226 looks on a white background.

Color Contrast Check

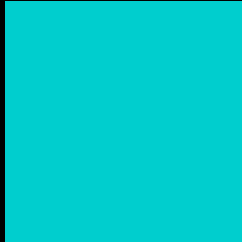
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.2119, 48.5988, 66.0226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

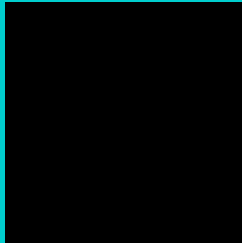
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

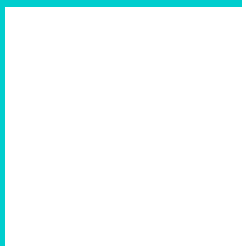
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2119, 48.5988, 66.0226

Background



This preview shows how black text looks on a background with the XYZ color 33.2119, 48.5988, 66.0226.



This preview shows how white text looks on a background with the XYZ color 33.2119, 48.5988,

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

33.2119, 48.5988, 66.0226

Protanopia

46.4555, 47.9870, 56.6831

Deuteranopia

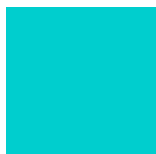
48.7428, 47.6850, 68.9225



Tritanopia

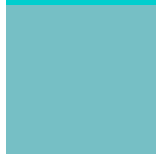
35.2741, 48.7464, 75.2600

Trichromacy



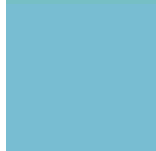
Original Color

33.2119, 48.5988, 66.0226



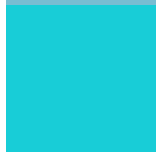
Protanomaly

36.1801, 45.1444, 59.6302



Deuteranomaly

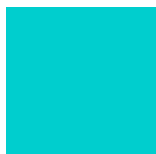
37.5762, 45.0414, 67.6862



Tritanomaly

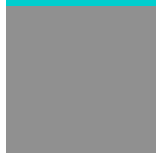
34.4738, 48.7631, 71.8852

Monochromacy



Original Color

33.2119, 48.5988, 66.0226



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.2074, 32.7028, 41.5429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2119, 48.5988, 66.0226 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, 206, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 206)  
}
```

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, 206, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 206) }
```

Border

The CSS property to change the border of an element to XYZ 33.2119, 48.5988, 66.0226 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, 206, 206) }
```


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

```
.border{ border-color:rgb(0, 206, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 206, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2119, 48.5988, 66.0226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 206) }
```

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

```
.background{ background-color: rgb(0, 206,  
206) }
```

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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