

Converting Colors

XYZ(33.2345, 48.5369, 66.3604)

Have a look what the booklet for
XYZ(33.2345, 48.5369, 66.3604)
contains.

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Color

**XYZ(33.3338, 48.6476,
66.6645)**

Conversions

Conversions Part 1

Format	Color
Hex	00CECF
RGB	0, 206, 207
RGB Percent	0%, 81%, 81%
CMY	0.9998, 0.1921, 0.1882
CMYK	1.00, 0.00, 0.00, 0.19
HSL	180°, 100%, 41%
HSV	180°, 100%, 81%
XYZ	33.3338, 48.6476, 66.6645
YIQ	144.5200, -123.0970, -43.3610

Conversions

Conversions Part 2

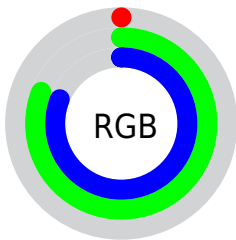
Format	Color
RYB	0, 103, 207
Decimal	52943
CIELab	75.23, -40.64, -12.53
CIELCh	75, 42.525, 197.139
Yxy	48.6476, 0.2242, 0.3273
Android (android.graphics.Color)	4278243023 (0xFF00CECF)
YUV	144.5200, 30.8026, -126.7440
Hunter-Lab	69.7478, -36.7502, -7.8455

Details

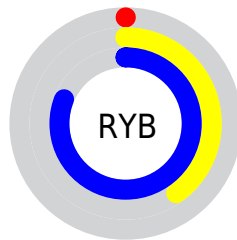
The XYZ color **33.3338, 48.6476, 66.6645** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.7442, 13.2885, 1.2095**, and the grayscale version is **26.6406, 28.0280, 30.5225**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.8164, 24.4331, 33.9667** is the 20% darker color. If you saturate the color by 10%, you get **33.3346, 48.6490, 66.6656**, and if you desaturate by 10%, it is **33.6627, 48.8539, 66.6879**.

Distribution



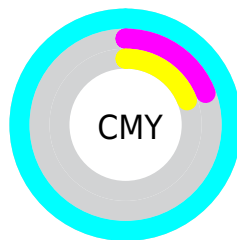
- Red (0%)
- Green (81%)
- Blue (81%)



- 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 33.3338, 48.6476, 66.6645 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 33.3338, 48.6476, 66.6645 by changing the saturation by 10% instead.


 33.3338, 48.6476,
66.6645


 33.3338, 48.6476,
66.6645


308.7896,
381.3533, 467.2186


 22.5427, 34.3400,
48.3521


 64.2475, 88.1678,
116.0756

 14.3751, 23.1549,
33.7439


 85.1009, 114.1493,
148.0115


 8.4654, 14.7079,
22.4211


 110.0391,
144.7908, 185.3256

 4.4485, 8.6147,
13.9654

 139.4274,
180.4768, 228.4364

 1.9589, 4.4907,
7.9581

 173.6313,
221.5916, 277.7626

 0.6107, 1.9517,
3.9808

213.0161,

 0.0000, 0.5792,

268.5198, 333.7227

1.6148

257.9471,
321.6455, 396.7351

■ 0.0000, 0.0000,
0.3013

■ 0.0000, 0.0000,
0.0000

■ 33.3338, 48.6476,
66.6645

■ 33.3338, 48.6476,
66.6645

■ 33.3346, 48.6490,
66.6656

■ 33.6627, 48.8539,
66.6879

■ 34.3153, 49.2260,
66.7253

■ 35.4029, 49.8225,
66.7831

■ 36.9850, 50.6739,
66.8641

■ 39.1119, 51.8061,
66.9705

■ 41.8276, 53.2419,
67.1045

■ 45.1717, 55.0017,
67.2679

■ 49.1802, 57.1040,
67.4625

■ 53.8867, 59.5662,
67.6896

Harmonies

Analogous

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



33.1013, 48.6476, 43.9703



33.3338, 48.6476, 66.6645



36.7664, 48.6476, 91.1122

Triad

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



33.3338, 48.6476, 66.6645



58.1283, 48.6476, 87.8955



49.6581, 48.6476, 21.1551

Complementary

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



33.3338, 48.6476, 66.6645



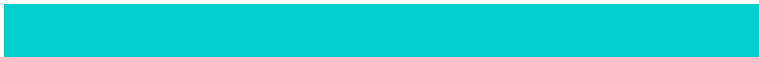
25.7442, 13.2885, 1.2095

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.



57.2109, 48.6476, 27.3067



33.3338, 48.6476, 66.6645



62.4585, 48.6476, 63.1186

Square

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



33.3338, 48.6476, 66.6645



50.8010, 48.6476, 105.5414



62.1050, 48.6476, 41.2907



41.9569, 48.6476, 21.6084

Rectangle

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



33.3338, 48.6476, 66.6645



40.6517, 48.6476, 103.2358



62.1050, 48.6476, 41.2907



52.3141, 48.6476, 22.4254

Sweetspot

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



33.3353, 48.6494, 66.6657



72.1674, 88.0290, 107.7954



22.3140, 44.6267, 7.4392



14.9338, 18.5721, 23.0476



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.



33.3353, 48.6494, 66.6657



53.4188, 77.9576, 106.8396



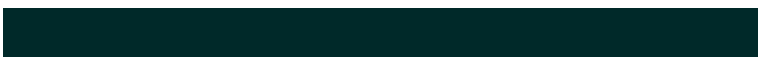
16.1659, 14.3107, 60.9426



12.1533, 13.3969, 15.1890



21.0042, 30.6549, 42.0025



1.1760, 1.7173, 2.3490

Inverse Universe

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



36.8740, 17.7230, 59.8718



59.0925, 28.4010, 95.9402



30.6355, 23.0711, 2.8399



12.3083, 12.0081, 14.8992



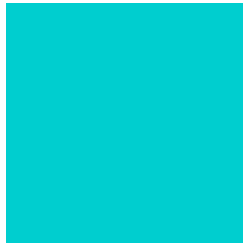
23.2327, 11.1659, 37.7270



1.2998, 0.6247, 2.1138

Previews

White Background



This preview shows how the XYZ color 33.3338, 48.6476, 66.6645 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 33.3338, 48.6476, 66.6645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

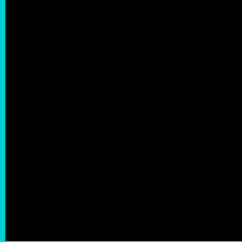
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

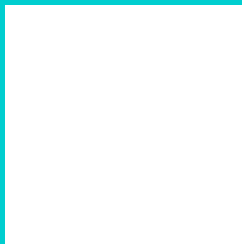
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3338, 48.6476, 66.6645

Background



This preview shows how black text looks on a background with the XYZ color 33.3338, 48.6476, 66.6645.



This preview shows how white text looks on a background with the XYZ color 33.3338, 48.6476,

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

33.3338, 48.6476, 66.6645

Protanopia

46.5667, 48.0315, 57.2688

Deuteranopia

48.8694, 47.7357, 69.5890



Tritanopia

35.3716, 48.7813, 75.9581

Trichromacy



Original Color

33.3338, 48.6476, 66.6645



Protanomaly

36.2951, 45.1904, 60.2357



Deuteranomaly

37.7012, 45.0914, 68.3445



Tritanomaly

34.5793, 48.8027, 72.5631

Monochromacy



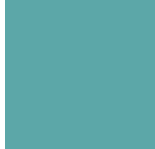
Original Color

33.3338, 48.6476, 66.6645



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.3002, 32.7399, 42.0318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3338, 48.6476, 66.6645 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 207) }
```

Border

The CSS property to change the border of an element to XYZ 33.3338, 48.6476, 66.6645 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, 207) }
```


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

```
.border{ border-color:rgb(0, 206, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3338, 48.6476, 66.6645 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, 207) }
```

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

```
.background{ background-color: rgb(0, 206,  
207) }
```

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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