

Converting Colors

XYZ(33.5230, 44.3759, 48.4869)

Have a look what the booklet for
XYZ(33.5230, 44.3759, 48.4869)
contains.

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Color

**XYZ(33.4675, 44.3183,
48.3853)**

Conversions

Conversions Part 1

Format	Color
Hex	70C0B1
RGB	112, 192, 177
RGB Percent	44%, 75%, 69%
CMY	0.5608, 0.2470, 0.3059
CMYK	0.42, 0.00, 0.08, 0.25
HSL	169°, 39%, 60%
HSV	169°, 42%, 75%
XYZ	33.4675, 44.3183, 48.3853
YIQ	166.3700, -42.8650, -21.6250

Conversions

Conversions Part 2

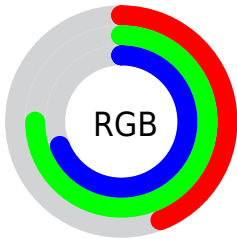
Format	Color
RYB	112, 156, 192
Decimal	7389361
CIELab	72.44, -28.14, -0.14
CIElCh	72, 28.137, 180.279
Yxy	44.3183, 0.2653, 0.3513
Android (android.graphics.Color)	4285579441 (0xFF70C0B1)
YUV	166.3700, 5.2406, -47.6825
Hunter-Lab	66.5720, -26.7643, 3.5077

Details

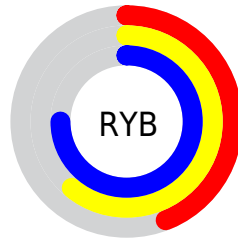
The XYZ color **33.4675, 44.3183, 48.3853** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.3646, 24.3283, 23.1230**, and the grayscale version is **36.4158, 38.3123, 41.7221**.

A 20% lighter version of the original color is **64.5200, 81.8500, 89.4889**, and **14.4775, 20.5275, 22.6012** is the 20% darker color. If you saturate the color by 10%, you get **30.9263, 43.0503, 46.4184**, and if you desaturate by 10%, it is **36.5416, 45.8622, 50.4285**.

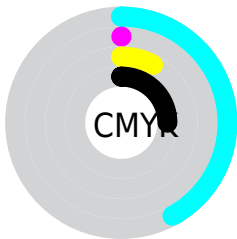
Distribution



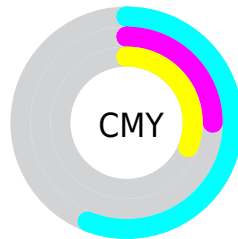
- Red (44%)
- Green (75%)
- Blue (69%)



- Red (44%)
- Yellow (61%)
- Blue (75%)



- Cyan (42%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)



- Cyan (56%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4675, 44.3183, 48.3853 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 33.4675, 44.3183, 48.3853 by changing the saturation by 10% instead.

■ 33.4675, 44.3183,
48.3853

■ 33.4675, 44.3183,
48.3853

309.3789,
364.0056, 396.8700

■ 22.6458, 30.9208,
33.7700

■ 64.4545, 81.6965,
89.1493

■ 14.4514, 20.5386,
22.4410

■ 85.3505, 106.4460,
116.1351

■ 8.5191, 12.7871,
13.9799

■ 110.3354,
135.7483, 148.0814

■ 4.4834, 7.2821,
7.9681

139.7743,
169.9878, 185.4068

■ 1.9791, 3.6392,
3.9871

174.0328,
209.5489, 228.5298

■ 0.6222, 1.4738,
1.6182

213.4762,

■ 0.0000, 0.2702,

254.8159, 277.8690

0.3038

258.4698,
306.1734, 333.8429

■ 0.0000, 0.0000,
0.0000

■ 33.4675, 44.3183,
48.3853

■ 33.4675, 44.3183,
48.3853

■ 30.9263, 43.0503,
46.4184

■ 36.5416, 45.8622,
50.4285

■ 28.8807, 42.0356,
44.5228

■ 40.1754, 47.6923,
52.5468

■ 27.2946, 41.2567,
42.6973


■ 44.3983, 49.8251,
54.7428

■ 26.1254, 40.6916,
40.9397


■ 49.2365, 52.2739,
57.0182

■ 25.3220, 40.3141,
39.2471


■ 54.7148, 55.0516,
59.3744

 24.8510, 40.1010,
37.8822

 60.8565, 58.1701,
61.8129

 67.6836, 61.6409,
64.3350

 71.2073, 63.4075,
66.7546

 71.6494, 63.5844,
69.0822

Harmonies

Analogous

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



34.5310, 44.3183, 36.1862



33.4675, 44.3183, 48.3853



34.5708, 44.3183, 63.0160

Triad

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



33.4675, 44.3183, 48.3853



47.0034, 44.3183, 75.1950



46.9188, 44.3183, 28.5754

Complementary

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



33.4675, 44.3183, 48.3853



31.3646, 24.3283, 23.1230

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.



50.7024, 44.3183, 36.0005



33.4675, 44.3183, 48.3853



50.7539, 44.3183, 62.7472

Square

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



33.4675, 44.3183, 48.3853



42.1687, 44.3183, 80.1997



52.1558, 44.3183, 48.1251



42.0778, 44.3183, 26.1685

Rectangle

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



33.4675, 44.3183, 48.3853



36.4393, 44.3183, 71.8558



52.1558, 44.3183, 48.1251



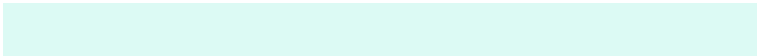
48.3694, 44.3183, 30.4868

Sweetspot

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



33.4688, 44.3201, 48.3863



80.0143, 90.0595, 98.9743



30.6777, 43.4601, 22.1018



16.9382, 19.2057, 21.1196



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.4688, 44.3201, 48.3863



56.3966, 78.1821, 84.4075



30.2005, 35.2573, 55.0847



10.2849, 11.3950, 12.5036



16.7483, 26.9934, 25.6316



0.7451, 1.1749, 1.2204

Inverse Universe

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



31.3646, 24.3283, 23.1230



52.0913, 37.1103, 32.5929



33.4684, 29.9860, 19.3539



10.1486, 10.1081, 10.8733



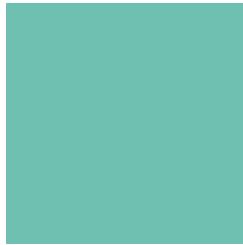
14.8635, 7.6351, 1.9271



0.6661, 0.3394, 0.2089

Previews

White Background



This preview shows how the XYZ color 33.4675, 44.3183, 48.3853 looks on a white background.

Color Contrast Check

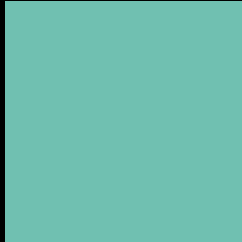
Large Text (above 18pt) WCAG AA × Fail

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 33.4675, 44.3183, 48.3853 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

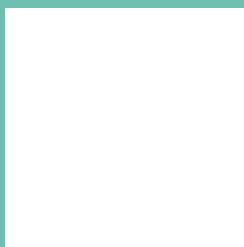
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4675, 44.3183, 48.3853

Background



This preview shows how black text looks on a background with the XYZ color 33.4675, 44.3183, 48.3853.

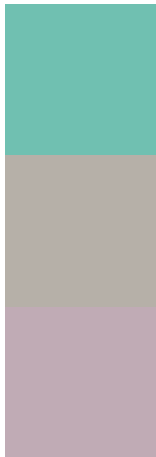


This preview shows how white text looks on a background with the XYZ color 33.4675, 44.3183,

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

33.4675, 44.3183, 48.3853

Protanopia

41.8846, 43.8229, 43.2969

Deuteranopia

44.6416, 43.6685, 49.7921



Tritanopia

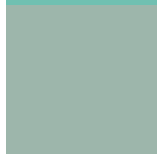
36.3705, 44.2002, 63.1145

Trichromacy



Original Color

33.4675, 44.3183, 48.3853



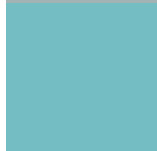
Protanomaly

37.9833, 43.5643, 44.9349



Deuteranomaly

39.4626, 43.3220, 49.4621



Tritanomaly

35.1377, 44.0032, 57.6805

Monochromacy



Original Color

33.4675, 44.3183, 48.3853



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.4397, 39.6732, 43.8727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4675, 44.3183, 48.3853 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(112, 192, 177)` looks like.

```
.text, #text, p{  
    color:rgb(112, 192, 177)  
}
```

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(112, 192, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 192, 177) }
```

Border

The CSS property to change the border of an element to XYZ 33.4675, 44.3183, 48.3853 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(112, 192, 177) }
```


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

```
.border{ border-color:rgb(112, 192, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 192, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 192, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 192, 177);  
box-shadow:4px 4px 4px 4px rgb(112, 192,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4675, 44.3183, 48.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 192, 177) }
```

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

```
.background{ background-color: rgb(112,  
192, 177) }
```

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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