

Converting Colors

XYZ(44.6948, 48.7716, 50.9197)

Have a look what the booklet for
XYZ(44.6948, 48.7716, 50.9197)
contains.

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Color

**XYZ(44.6838, 48.7676,
50.7741)**

Conversions

Conversions Part 1

Format	Color
Hex	B2BCB5
RGB	178, 188, 181
RGB Percent	70%, 74%, 71%
CMY	0.3020, 0.2627, 0.2902
CMYK	0.05, 0.00, 0.04, 0.26
HSL	138°, 7%, 72%
HSV	138°, 5%, 74%
XYZ	44.6838, 48.7676, 50.7741
YIQ	184.2120, -3.7130, -4.2970

Conversions

Conversions Part 2

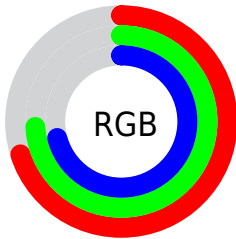
Format	Color
RYB	178, 186, 188
Decimal	11713717
CIELab	75.31, -4.78, 2.33
CIELCh	75, 5.318, 153.987
Yxy	48.7676, 0.3098, 0.3381
Android (android.graphics.Color)	4289903797 (0xFFB2BCB5)
YUV	184.2120, -1.5835, -5.4479
Hunter-Lab	69.8338, -7.9943, 5.7757

Details

The XYZ color **44.6838, 48.7676, 50.7741** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.4181, 46.0362, 52.3933**, and the grayscale version is **45.6882, 48.0675, 52.3456**.

A 20% lighter version of the original color is **81.5684, 88.3082, 92.8668**, and **21.0177, 23.2464, 23.8013** is the 20% darker color. If you saturate the color by 10%, you get **39.3750, 46.1810, 43.8061**, and if you desaturate by 10%, it is **50.7141, 51.7142, 58.4440**.

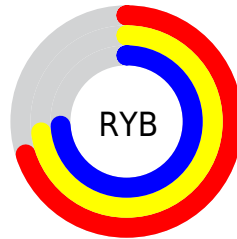
Distribution



Red (70%)

Green (74%)

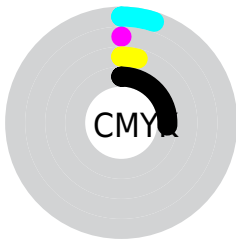
Blue (71%)



Red (70%)

Yellow (73%)

Blue (74%)

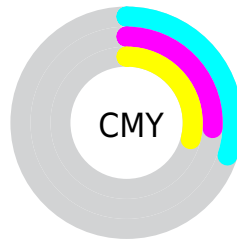


Cyan (5%)

Magenta (0%)

Yellow (4%)

Black (26%)



Cyan (30%)

Magenta (26%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6838, 48.7676, 50.7741 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 44.6838, 48.7676, 50.7741 by changing the saturation by 10% instead.

■ 44.6838, 48.7676,
50.7741

■ 44.6838, 48.7676,
50.7741

356.2967,
381.8267, 406.5069

■ 31.4087, 34.4352,
35.6534

■ 81.4857, 88.3462,
92.7288

■ 21.0636, 23.2281,
23.8790

105.7432,
114.3611, 120.4000

■ 13.2832, 14.7620,
15.0325

134.3921,
145.0390, 153.0916

■ 7.7022, 8.6525,
8.6954

167.7979,
180.7643, 191.2223

■ 3.9552, 4.5153,
4.4489

206.3259,
221.9213, 235.2107

■ 1.6768, 1.9658,
1.8747

250.3415,

■ 0.4417, 0.5875,

268.8944, 285.4752

0.4766

300.2100,
322.0681, 342.4345

■ 0.0000, 0.0000,
0.0000

■ 44.6838, 48.7676,
50.7741

■ 44.6838, 48.7676,
50.7741

■ 39.3750, 46.1810,
43.8061

■ 50.7141, 51.7142,
58.4440

■ 34.7564, 43.9344,
37.5171

■ 57.4879, 55.0276,
66.8313

■ 30.7999, 42.0152,
31.8877

■ 65.0310, 58.7221,
75.9554

■ 27.4744, 40.4079,
26.8962

■ 73.3669, 62.8094,
85.8337

■ 24.7459, 39.0953,
22.5199

■ 75.9833, 63.9320,
96.1772

■ 22.5771, 38.0588,
18.7347

■ 77.2742, 64.4483,
102.9747

■ 20.9266, 37.2775,
15.5149

■ 19.7465, 36.7273,
12.8327

■ 18.9788, 36.3789,
10.6580

Harmonies

Analogous

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



45.3096, 48.7676, 48.7611



44.6838, 48.7676, 50.7741



44.5027, 48.7676, 53.4747

Triad

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



44.6838, 48.7676, 50.7741



46.4829, 48.7676, 58.6513



47.9278, 48.7676, 50.1477

Complementary

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



44.6838, 48.7676, 50.7741



45.4181, 46.0362, 52.3933

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.



48.2521, 48.7676, 52.7264



44.6838, 48.7676, 50.7741



47.4105, 48.7676, 57.6881

Square

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



44.6838, 48.7676, 50.7741



45.5329, 48.7676, 58.0845



48.0615, 48.7676, 55.4951



47.1812, 48.7676, 48.4085

Rectangle

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



44.6838, 48.7676, 50.7741



44.6564, 48.7676, 55.3176



48.0615, 48.7676, 55.4951



48.0903, 48.7676, 50.9417

Sweetspot

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



44.6852, 48.7697, 50.7752



84.4274, 90.0655, 96.4456



46.0688, 49.5182, 49.2500



18.1798, 19.3799, 20.7710



90.7827, 95.5105, 104.0109



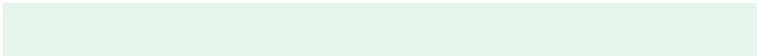
18.6292, 19.5994, 21.3438

Same Dimension

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



44.6852, 48.7697, 50.7752



80.1868, 87.9957, 90.9907



45.1901, 48.9717, 53.4343



9.8682, 10.8636, 11.1887



12.7655, 24.6965, 6.8279



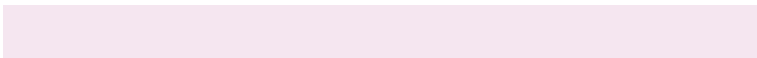
0.5299, 0.9793, 0.4246

Inverse Universe

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



45.4181, 46.0362, 52.3933



81.7013, 82.3473, 94.3343



44.9162, 45.8354, 49.7499



10.0689, 10.1151, 11.6318



16.9720, 8.4199, 15.6778



0.6924, 0.3409, 0.7595

Previews

White Background



This preview shows how the XYZ color 44.6838, 48.7676, 50.7741 looks on a white background.

Color Contrast Check

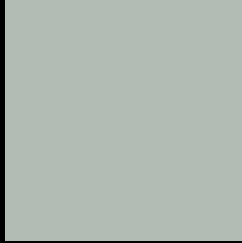
Large Text (above 18pt) WCAG AA × Fail

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 44.6838, 48.7676, 50.7741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

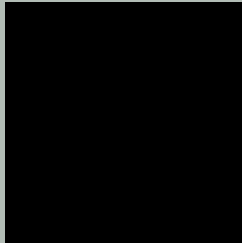
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

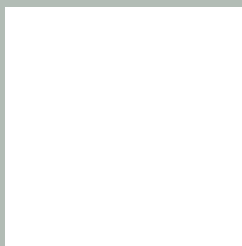
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.6838, 48.7676, 50.7741

Background



This preview shows how black text looks on a background with the XYZ color 44.6838, 48.7676, 50.7741.



This preview shows how white text looks on a background with the XYZ color 44.6838, 48.7676,

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

44.6838, 48.7676, 50.7741

Protanopia

46.5124, 48.4828, 49.5545

Deuteranopia

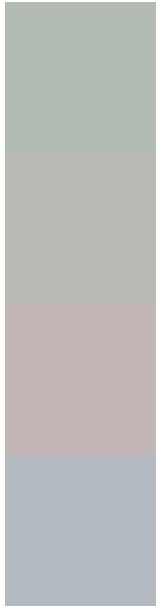
49.5692, 48.4965, 51.5479



Tritanopia

46.8303, 48.6918, 61.5738

Trichromacy



Original Color

44.6838, 48.7676, 50.7741

Protanomaly

45.8369, 48.4323, 50.1125

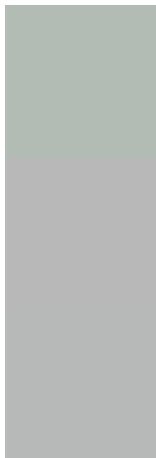
Deuteranomaly

47.6771, 48.4354, 51.0921

Tritanomaly

46.0069, 48.6714, 57.4218

Monochromacy



Original Color

44.6838, 48.7676, 50.7741

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.1876, 48.0619, 51.6950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6838, 48.7676, 50.7741 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(178, 188, 181)` looks like.

```
.text, #text, p{  
    color:rgb(178, 188, 181)  
}
```

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(178, 188, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 188, 181) }
```

Border

The CSS property to change the border of an element to XYZ 44.6838, 48.7676, 50.7741 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(178, 188, 181) }
```


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

```
.border{ border-color:rgb(178, 188, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 188, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 188, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 188, 181);  
box-shadow:4px 4px 4px 4px rgb(178, 188,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6838, 48.7676, 50.7741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 188, 181) }
```

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

```
.background{ background-color: rgb(178,  
188, 181) }
```

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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