

Converting Colors

XYZ(48.6122, 50.5890, 48.8638)

Have a look what the booklet for
XYZ(48.6122, 50.5890, 48.8638)
contains.

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Color

**XYZ(48.4711, 50.4507,
48.7782)**

Conversions

Conversions Part 1

Format	Color
Hex	C4BBB1
RGB	196, 187, 177
RGB Percent	77%, 73%, 69%
CMY	0.2314, 0.2666, 0.3059
CMYK	0.00, 0.05, 0.10, 0.23
HSL	32°, 14%, 73%
HSV	32°, 10%, 77%
XYZ	48.4711, 50.4507, 48.7782
YIQ	188.5510, 8.5740, -1.2020

Conversions

Conversions Part 2

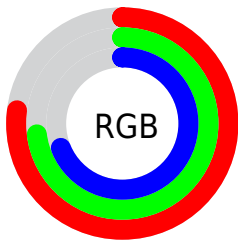
Format	Color
RYB	194, 196, 177
Decimal	12893105
CIELab	76.35, 1.43, 6.18
CIELCh	76, 6.346, 76.964
Yxy	50.4507, 0.3282, 0.3416
Android (android.graphics.Color)	4291083185 (0xFFC4BBB1)
YUV	188.5510, -5.6946, 6.5328
Hunter-Lab	71.0287, -2.4889, 9.0033

Details

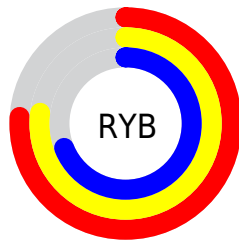
The XYZ color **48.4711, 50.4507, 48.7782** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.6541, 48.4497, 59.1707**, and the grayscale version is **48.1426, 50.6498, 55.1576**.

A 20% lighter version of the original color is **87.2666, 90.8670, 90.0304**, and **23.3185, 24.2562, 22.5217** is the 20% darker color. If you saturate the color by 10%, you get **44.7509, 45.9150, 38.5820**, and if you desaturate by 10%, it is **52.6020, 55.3576, 60.4969**.

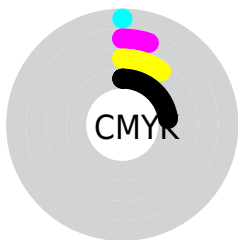
Distribution



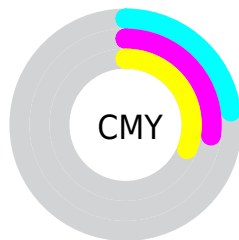
- Red (77%)
- Green (73%)
- Blue (69%)



- Red (76%)
- Yellow (77%)
- Blue (69%)



- Cyan (0%)
- Magenta (5%)
- Yellow (10%)
- Black (23%)



- Cyan (23%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4711, 50.4507, 48.7782 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 48.4711, 50.4507, 48.7782 by changing the saturation by 10% instead.

■ 48.4711, 50.4507,
48.7782

■ 48.4711, 50.4507,
48.7782

371.2080,
388.4258, 398.4658

■ 34.4129, 35.7716,
34.0792

■ 87.1109, 90.8423,
89.7395

■ 23.3754, 24.2579,
22.6766

112.4232,
117.3236, 116.8389

■ 14.9931, 15.5250,
14.1518

142.2175,
148.5078, 148.9089

■ 8.9009, 9.1887,
8.0864

176.8593,
184.7793, 186.3679

■ 4.7332, 4.8645,
4.0617

216.7139,
226.5225, 229.6346

■ 2.1247, 2.1680,
1.6593

262.1467,

■ 0.7026, 0.7024,

274.1217, 279.1275

0.3326

313.5229,
327.9613, 335.2650

■ 0.0000, 0.0000,
0.0000

■ 48.4711, 50.4507,
48.7782

■ 48.4711, 50.4507,
48.7782

■ 44.7509, 45.9150,
38.5820

■ 52.6020, 55.3576,
60.4969

■ 41.4229, 41.7344,
29.8416

■ 57.1530, 60.6382,
73.7945

■ 38.4733, 37.9009,
22.4901

■ 62.1382, 66.3034,
88.7287

■ 35.8858, 34.4042,
16.4539

■ 67.5051, 72.3357,
105.0120

■ 33.6427, 31.2328,
11.6527

■ 70.0698, 77.4651,
105.8669

■ 31.7245, 28.3747,
7.9972

■ 72.7728, 82.8710,
106.7679

■ 30.1093, 25.8166,
5.3859

■ 75.6160, 88.5575,
107.7157

■ 28.7716, 23.5437,
3.6992

■ 76.5752, 90.4759,
108.0354

■ 27.6665, 21.5332,
2.7154

Harmonies

Analogous

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



49.5342, 50.4507, 50.2696



48.4711, 50.4507, 48.7782



47.2858, 50.4507, 48.8859

Triad

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



48.4711, 50.4507, 48.7782



45.7914, 50.4507, 56.8711



49.6479, 50.4507, 59.5381

Complementary

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



48.4711, 50.4507, 48.7782



45.6541, 48.4497, 59.1707

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.



48.6242, 50.4507, 61.4576



48.4711, 50.4507, 48.7782



46.4036, 50.4507, 59.8746

Square

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



48.4711, 50.4507, 48.7782



45.7519, 50.4507, 53.4638



47.4364, 50.4507, 61.5833



50.2212, 50.4507, 56.4273

Rectangle

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



48.4711, 50.4507, 48.7782



46.5859, 50.4507, 49.8492



47.4364, 50.4507, 61.5833



49.3443, 50.4507, 60.3496

Sweetspot

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



48.4725, 50.4529, 48.7793



92.6979, 97.2276, 102.1602



47.3702, 46.7337, 53.0811



19.7092, 20.6544, 21.4905



0.0000, 0.0000, 0.0000



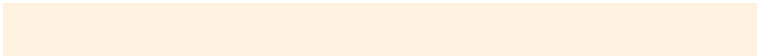
20.3446, 21.4041, 23.3091

Same Dimension

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



48.4725, 50.4529, 48.7793



86.0596, 89.2849, 83.5037



50.3591, 54.3482, 49.4317



10.5022, 10.9359, 10.6192



17.8432, 13.9721, 1.7565



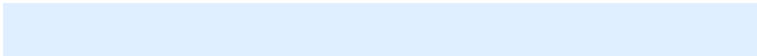
0.8396, 0.7409, 0.0988

Inverse Universe

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



45.6541, 48.4497, 59.1707



79.7487, 84.7994, 106.7725



43.8903, 44.8149, 58.5621



9.9128, 10.5169, 12.7923



8.9913, 7.7391, 34.5765



0.4574, 0.4723, 1.5169

Previews

White Background



This preview shows how the XYZ color 48.4711, 50.4507, 48.7782 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 48.4711, 50.4507, 48.7782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

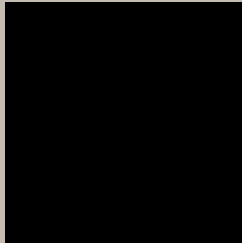
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4711, 50.4507, 48.7782

Background



This preview shows how black text looks on a background with the XYZ color 48.4711, 50.4507, 48.7782.

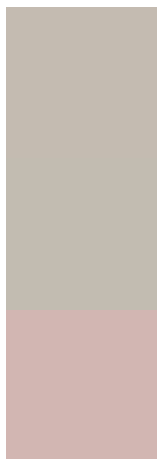


This preview shows how white text looks on a background with the XYZ color 48.4711, 50.4507,

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

48.4711, 50.4507, 48.7782

Protanopia

48.1672, 50.6101, 48.8250

Deuteranopia

51.3422, 50.3719, 49.1362



Tritanopia

50.8867, 50.5003, 60.4916

Trichromacy



Original Color

48.4711, 50.4507, 48.7782

Protanomaly

48.4247, 50.7429, 48.8371

Deuteranomaly

50.3532, 50.4745, 49.2081

Tritanomaly

49.9319, 50.4214, 55.8158

Monochromacy



Original Color

48.4711, 50.4507, 48.7782

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.4784, 50.6757, 53.1252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4711, 50.4507, 48.7782 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(196, 187, 177)` looks like.

```
.text, #text, p{  
    color:rgb(196, 187, 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(196, 187, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 187, 177) }
```

Border

The CSS property to change the border of an element to XYZ 48.4711, 50.4507, 48.7782 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(196, 187, 177) }
```


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

```
.border{ border-color:rgb(196, 187, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 187, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 187, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 187, 177);  
box-shadow:4px 4px 4px 4px rgb(196, 187,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4711, 50.4507, 48.7782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 187, 177) }
```

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

```
.background{ background-color: rgb(196,  
187, 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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