

Converting Colors

XYZ(45.1776, 48.2864, 46.9837)

Have a look what the booklet for
XYZ(45.1776, 48.2864, 46.9837)
contains.

XYZ(44.9965, 48.0682, 46.9509)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.9965, 48.0682,
46.9509)**

Conversions

Conversions Part 1

Format	Color
Hex	B9B9AE
RGB	185, 185, 174
RGB Percent	73%, 73%, 68%
CMY	0.2745, 0.2745, 0.3176
CMYK	0.00, 0.00, 0.06, 0.27
HSL	60°, 7%, 70%
HSV	60°, 6%, 73%
XYZ	44.9965, 48.0682, 46.9509
YIQ	183.7460, 3.5310, -3.4210

Conversions

Conversions Part 2

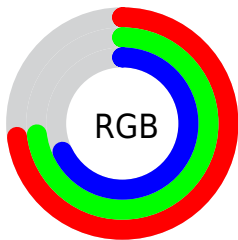
Format	Color
RYB	174, 185, 174
Decimal	12171694
CIELab	74.87, -1.98, 5.57
CIELCh	75, 5.914, 109.605
Yxy	48.0682, 0.3214, 0.3433
Android (android.graphics.Color)	4290361774 (0xFFB9B9AE)
YUV	183.7460, -4.8048, 1.0998
Hunter-Lab	69.3312, -5.4818, 8.3809

Details

The XYZ color **44.9965, 48.0682, 46.9509** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.3504, 42.7749, 51.9785**, and the grayscale version is **45.4452, 47.8119, 52.0672**.

A 20% lighter version of the original color is **81.8738, 87.2685, 86.6580**, and **21.2798, 22.8132, 21.6942** is the 20% darker color. If you saturate the color by 10%, you get **43.3148, 47.3969, 38.0969**, and if you desaturate by 10%, it is **46.9294, 48.8431, 57.1154**.

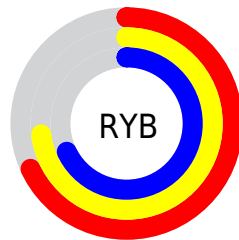
Distribution



Red (73%)

Green (73%)

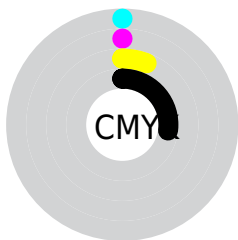
Blue (68%)



Red (68%)

Yellow (73%)

Blue (68%)

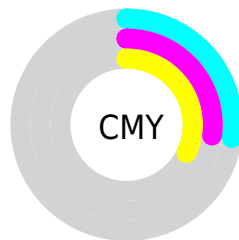


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9965, 48.0682, 46.9509 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 44.9965, 48.0682, 46.9509 by changing the saturation by 10% instead.

■ 44.9965, 48.0682,
46.9509

■ 44.9965, 48.0682,
46.9509

357.5433,
379.0624, 391.0066

■ 31.6559, 33.8809,
32.6428

■ 81.9523, 87.3059,
86.9895

■ 21.2531, 22.8021,
21.5841

106.2982,
113.1252, 113.5571

■ 13.4227, 14.4475,
13.3562

135.0432,
143.5905, 145.0483

■ 7.7992, 8.4325,
7.5407

168.5528,
179.0863, 181.8816

■ 4.0175, 4.3729,
3.7189

207.1922,
219.9970, 224.4755

■ 1.7120, 1.8843,
1.4725

251.3269,

■ 0.4638, 0.5389,

266.7070, 273.2486

0.1973

301.3221,
319.6007, 328.6195

■ 0.0000, 0.0000,
0.0000

■ 44.9965, 48.0682,
46.9509

■ 44.9965, 48.0682,
46.9509

■ 43.3148, 47.3969,
38.0969

■ 46.9294, 48.8431,
57.1154

■ 41.8701, 46.8188,
30.4972

■ 49.1189, 49.7191,
68.6374

■ 40.6530, 46.3318,
24.0960

■ 51.5754, 50.7019,
81.5654

■ 39.6519, 45.9312,
18.8322

■ 54.3075, 51.7949,
95.9446

■ 38.8541, 45.6119,
14.6392

■ 55.4153, 52.2381,
101.7700

■ 38.2458, 45.3684,
11.4436

■ 55.4168, 52.2389,
101.7701

■ 37.8112, 45.1944,
9.1628

■ 55.4183, 52.2397,
101.7702

■ 37.5320, 45.0826,
7.7008

■ 55.4198, 52.2405,
101.7702

■ 37.3852, 45.0237,
6.9353

■ 55.4213, 52.2413,
101.7703

Harmonies

Analogous

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



46.0618, 48.0682, 46.7222



44.9965, 48.0682, 46.9509



44.1293, 48.0682, 48.5903

Triad

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



44.9965, 48.0682, 46.9509



44.3593, 48.0682, 56.9831



47.7533, 48.0682, 53.4148

Complementary

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



44.9965, 48.0682, 46.9509



41.3504, 42.7749, 51.9785

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.



47.2817, 48.0682, 56.2738



44.9965, 48.0682, 46.9509



45.3150, 48.0682, 58.3869

Square

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



44.9965, 48.0682, 46.9509



43.7654, 48.0682, 54.3521



46.3853, 48.0682, 58.1224



47.6648, 48.0682, 50.3745

Rectangle

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



44.9965, 48.0682, 46.9509



43.7749, 48.0682, 50.2996



46.3853, 48.0682, 58.1224



47.6548, 48.0682, 54.4309

Sweetspot

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



44.9978, 48.0703, 46.9519



81.8865, 86.6089, 90.9274



42.7851, 43.6435, 46.2141



17.6609, 18.6742, 19.6433



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



44.9978, 48.0703, 46.9519



80.2120, 85.9389, 82.1165



43.6969, 47.3996, 46.8911



9.8214, 10.5318, 9.9967



25.4263, 30.6441, 4.5748



0.8964, 1.0803, 0.1613

Inverse Universe

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



41.3504, 42.7749, 51.9785



72.4590, 74.6829, 92.8009



42.6006, 43.4193, 52.0370



8.8262, 9.0869, 11.3682



5.9634, 2.3854, 31.3992



0.2103, 0.0841, 1.1069

Previews

White Background



This preview shows how the XYZ color 44.9965, 48.0682, 46.9509 looks on a white background.

Color Contrast Check

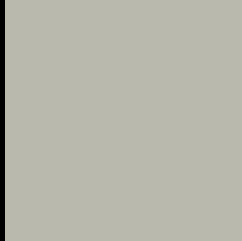
Large Text (above 18pt) WCAG AA × Fail

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 44.9965, 48.0682, 46.9509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

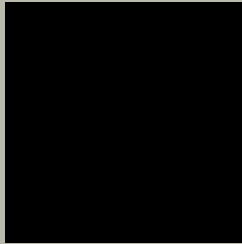
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

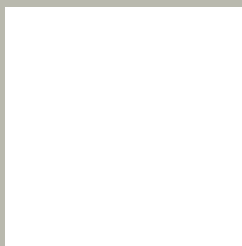
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.9965, 48.0682, 46.9509

Background



This preview shows how black text looks on a background with the XYZ color 44.9965, 48.0682, 46.9509.



This preview shows how white text looks on a background with the XYZ color 44.9965, 48.0682,

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

44.9965, 48.0682, 46.9509

Protanopia

45.7115, 47.8313, 46.3583

Deuteranopia

48.8351, 47.9151, 47.2321



Tritanopia

47.4308, 48.1328, 59.0152

Trichromacy



Original Color

44.9965, 48.0682, 46.9509

Protanomaly

45.4224, 47.9895, 46.4040

Deuteranomaly

47.5504, 48.1487, 47.3449

Tritanomaly

46.5041, 48.0626, 54.4029

Monochromacy



Original Color

44.9965, 48.0682, 46.9509

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.1459, 47.7666, 50.0205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9965, 48.0682, 46.9509 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(185, 185, 174)` looks like.

```
.text, #text, p{  
    color:rgb(185, 185, 174)  
}
```

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(185, 185, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 185, 174) }
```

Border

The CSS property to change the border of an element to XYZ 44.9965, 48.0682, 46.9509 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(185, 185, 174) }
```


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

```
.border{ border-color:rgb(185, 185, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 185, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 185, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 185, 174);  
box-shadow:4px 4px 4px 4px rgb(185, 185,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9965, 48.0682, 46.9509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 185, 174) }
```

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

```
.background{ background-color: rgb(185,  
185, 174) }
```

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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