

Converting Colors

XYZ(45.3500, 48.6475, 47.2848)

Have a look what the booklet for
XYZ(45.3500, 48.6475, 47.2848)
contains.

XYZ(45.2065, 48.4881, 47.0209)	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(45.2065, 48.4881,
47.0209)**

Conversions

Conversions Part 1

Format	Color
Hex	B9BAAE
RGB	185, 186, 174
RGB Percent	73%, 73%, 68%
CMY	0.2745, 0.2706, 0.3176
CMYK	0.01, 0.00, 0.06, 0.27
HSL	65°, 8%, 71%
HSV	65°, 6%, 73%
XYZ	45.2065, 48.4881, 47.0209
YIQ	184.3330, 3.2560, -3.9440

Conversions

Conversions Part 2

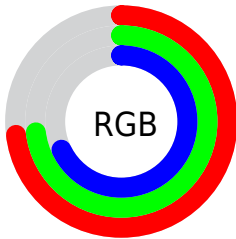
Format	Color
RYB	174, 186, 175
Decimal	12171950
CIELab	75.13, -2.52, 5.95
CIELCh	75, 6.461, 112.920
Yxy	48.4881, 0.3213, 0.3446
Android (android.graphics.Color)	4290362030 (0xFFB9BAAE)
YUV	184.3330, -5.0942, 0.5850
Hunter-Lab	69.6334, -5.9750, 8.7070

Details

The XYZ color **45.2065, 48.4881, 47.0209** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.6800, 42.9325, 52.5469**, and the grayscale version is **45.7712, 48.1549, 52.4407**.

A 20% lighter version of the original color is **82.1706, 87.8622, 86.7570**, and **21.4161, 23.0857, 21.7396** is the 20% darker color. If you saturate the color by 10%, you get **43.1447, 47.6219, 38.1051**, and if you desaturate by 10%, it is **47.5262, 49.4611, 57.2616**.

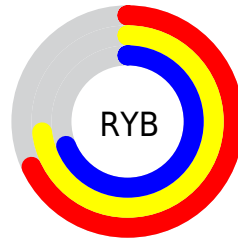
Distribution



Red (73%)

Green (73%)

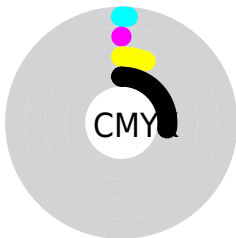
Blue (68%)



Red (68%)

Yellow (73%)

Blue (69%)

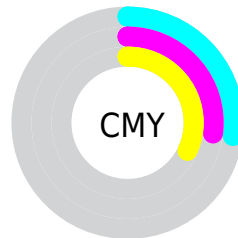


Cyan (1%)

Magenta (0%)

Yellow (6%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2065, 48.4881, 47.0209 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 45.2065, 48.4881, 47.0209 by changing the saturation by 10% instead.

■ 45.2065, 48.4881,
47.0209

■ 45.2065, 48.4881,
47.0209

358.3789,
380.7236, 391.2941

■ 31.8221, 34.2136,
32.6977

■ 82.2654, 87.9307,
87.0951

■ 21.3805, 23.0577,
21.6258

106.6705,
113.8676, 113.6832

■ 13.5165, 14.6361,
13.3865

135.4799,
144.4607, 145.1968

■ 7.8646, 8.5644,
7.5614

169.0590,
180.0944, 182.0542

■ 4.0595, 4.4582,
3.7319

207.7731,
221.1532, 224.6741

■ 1.7359, 1.9330,
1.4794

251.9875,

■ 0.4786, 0.5681,

268.0214, 273.4751

0.2025

302.0677,
321.0834, 328.8755

■ 0.0000, 0.0000,
0.0000

■ 45.2065, 48.4881,
47.0209

■ 45.2065, 48.4881,
47.0209

■ 43.1447, 47.6219,
38.1051

■ 47.5262, 49.4611,
57.2616

■ 41.3267, 46.8520,
30.4571

■ 50.1095, 50.5385,
68.8749

■ 39.7426, 46.1762,
24.0202

■ 52.9670, 51.7260,
81.9102

■ 38.3807, 45.5898,
18.7321

■ 56.1072, 53.0271,
96.4134

■ 37.2281, 45.0875,
14.5250

■ 57.5451, 53.6477,
101.9298

■ 36.2707, 44.6638,
11.3243

■ 57.9430, 53.8529,
101.9485

■ 35.4923, 44.3121,
9.0455

■ 58.3451, 54.0602,
101.9673

■ 34.8743, 44.0251,
7.5906

■ 58.7514, 54.2696,
101.9863

■ 34.3921, 43.7929,
6.8297

■ 59.1619, 54.4812,
102.0055

Harmonies

Analogous

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



46.3674, 48.4881, 46.5922



45.2065, 48.4881, 47.0209



44.2959, 48.4881, 48.9650

Triad

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



45.2065, 48.4881, 47.0209



44.7289, 48.4881, 58.1636



48.3803, 48.4881, 53.6021

Complementary

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



45.2065, 48.4881, 47.0209



41.6800, 42.9325, 52.5469

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.



47.9247, 48.4881, 56.8203



45.2065, 48.4881, 47.0209



45.8068, 48.4881, 59.5259

Square

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



45.2065, 48.4881, 47.0209



44.0235, 48.4881, 55.3726



46.9778, 48.4881, 59.0241



48.2130, 48.4881, 50.2993

Rectangle

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



45.2065, 48.4881, 47.0209



43.9467, 48.4881, 50.9054



46.9778, 48.4881, 59.0241



48.2947, 48.4881, 54.7314

Sweetspot

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



45.2078, 48.4902, 47.0219



83.7367, 88.6411, 93.1274



43.2212, 44.1563, 46.2901



18.4497, 19.5243, 20.5502



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.



45.2078, 48.4902, 47.0219



81.2778, 87.6096, 82.3467



43.7910, 47.7598, 46.9556



9.6741, 10.4642, 9.6168



23.0624, 29.4254, 4.4642



0.8349, 1.0486, 0.1584

Inverse Universe

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



41.6800, 42.9325, 52.5469



73.3102, 75.0575, 94.8251



43.0565, 43.6422, 52.6114



8.5889, 8.7544, 11.3165



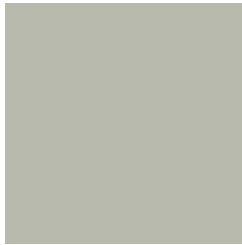
6.1287, 2.4707, 31.4069



0.2396, 0.0992, 1.1083

Previews

White Background



This preview shows how the XYZ color 45.2065, 48.4881, 47.0209 looks on a white background.

Color Contrast Check

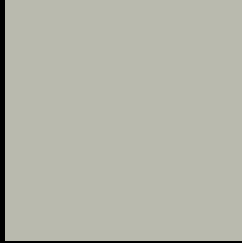
Large Text (above 18pt) WCAG AA × Fail

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 45.2065, 48.4881, 47.0209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

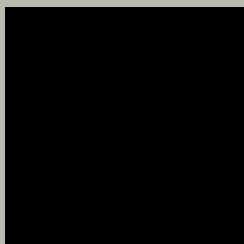
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

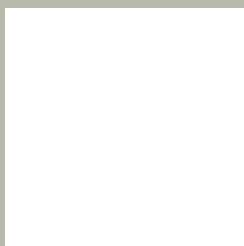
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.2065, 48.4881, 47.0209

Background



This preview shows how black text looks on a background with the XYZ color 45.2065, 48.4881, 47.0209.



This preview shows how white text looks on a background with the XYZ color 45.2065, 48.4881,

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

45.2065, 48.4881, 47.0209

Protanopia

46.1692, 48.3745, 46.4390

Deuteranopia

49.3116, 48.4572, 47.3116



Tritanopia

47.7506, 48.5896, 59.6853

Trichromacy



Original Color

45.2065, 48.4881, 47.0209

Protanomaly

45.8781, 48.5339, 46.4851

Deuteranomaly

47.7545, 48.5568, 47.4129

Tritanomaly

46.8193, 48.5199, 55.0417

Monochromacy



Original Color

45.2065, 48.4881, 47.0209

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.3543, 48.1836, 50.0899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2065, 48.4881, 47.0209 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, 186, 174)` looks like.

```
.text, #text, p{  
    color:rgb(185, 186, 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, 186, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 186, 174) }
```

Border

The CSS property to change the border of an element to XYZ 45.2065, 48.4881, 47.0209 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, 186, 174) }
```


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

```
.border{ border-color:rgb(185, 186, 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, 186, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 186, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 186, 174);  
box-shadow:4px 4px 4px 4px rgb(185, 186,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2065, 48.4881, 47.0209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 186, 174) }
```

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

```
.background{ background-color: rgb(185,  
186, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor