

Converting Colors

XYZ(49.8987, 57.2809, 44.7877)

Have a look what the booklet for
XYZ(49.8987, 57.2809, 44.7877)
contains.

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Color

**XYZ(50.0416, 57.3998,
45.0010)**

Conversions

Conversions Part 1

Format	Color
Hex	BECD A7
RGB	190, 205, 167
RGB Percent	75%, 80%, 65%
CMY	0.2549, 0.1961, 0.3451
CMYK	0.07, 0.00, 0.19, 0.20
HSL	84°, 28%, 73%
HSV	84°, 19%, 80%
XYZ	50.0416, 57.3998, 45.0010
YIQ	196.1830, 3.2580, -14.9980

Conversions

Conversions Part 2

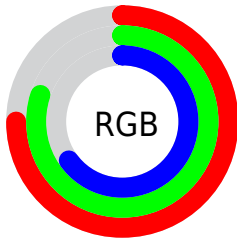
Format	Color
RYB	167, 205, 182
Decimal	12504487
CIELab	80.40, -11.80, 17.24
CIELCh	80, 20.887, 124.383
Yxy	57.3998, 0.3283, 0.3765
Android (android.graphics.Color)	4290694567 (0xFFBECDA7)
YUV	196.1830, -14.3872, -5.4225
Hunter-Lab	75.7627, -14.6845, 17.8172

Details

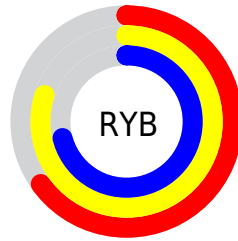
The XYZ color **50.0416, 57.3998, 45.0010** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.1318, 41.9918, 63.5399**, and the grayscale version is **52.6627, 55.4053, 60.3364**.

A 20% lighter version of the original color is **86.9509, 96.3868, 83.1289**, and **24.3145, 28.6053, 20.4595** is the 20% darker color. If you saturate the color by 10%, you get **46.3294, 55.6897, 35.7064**, and if you desaturate by 10%, it is **54.1697, 59.2930, 55.8857**.

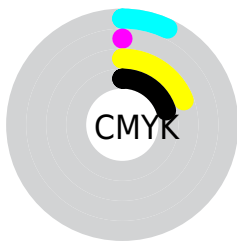
Distribution



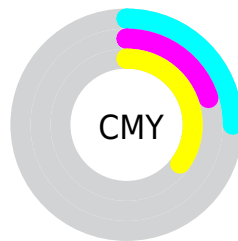
- Red (75%)
- Green (80%)
- Blue (65%)



- Red (65%)
- Yellow (80%)
- Blue (71%)



- Cyan (7%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)





- Cyan (25%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0416, 57.3998, 45.0010 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 50.0416, 57.3998, 45.0010 by changing the saturation by 10% instead.


 50.0416, 57.3998,
45.0010


 50.0416, 57.3998,
45.0010


377.2779,
414.9457, 382.9379

 35.6644, 41.3263,
31.1153


 89.4280, 101.0483,
84.0404

 24.3440, 28.5741,
20.4274


 115.1678,
129.3921, 110.0311

 15.7151, 18.7589,
12.5190


145.4259,
162.5948, 140.8939

 9.4124, 11.4962,
6.9713

180.5677,
201.0409, 177.0473

 5.0704, 6.4016,
3.3660

220.9584,
245.1146, 218.9099

 2.3238, 3.0908,
1.2844

266.9634,

 0.8068, 1.1793,

295.2003, 266.9001

0.0490

318.9481,
351.6826, 321.4366

■ 0.0000, 0.0447,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.0416, 57.3998,
45.0010

■ 50.0416, 57.3998,
45.0010

■ 46.3294, 55.6897,
35.7064

■ 54.1697, 59.2930,
55.8857

■ 43.0125, 54.1486,
27.9236

■ 58.7239, 61.3679,
68.4263

■ 40.0753, 52.7719,
21.5736

■ 63.7200, 63.6330,
82.6895

■ 37.4993, 51.5521,
16.5684

■ 69.1714, 66.0937,
98.7371

■ 35.2639, 50.4806,
12.8104

■ 72.6665, 67.7857,
103.8618

■ 33.3463, 49.5480,
10.1889

■ 75.3318, 69.1597,
103.9865

■ 31.7196, 48.7435,
8.5737

■ 78.1194, 70.5968,
104.1169

■ 30.3431, 48.0504,
7.7615

■ 81.0308, 72.0977,
104.2532

■ 30.1544, 47.9551,
7.6670

■ 81.1225, 72.1449,
104.2575

Harmonies

Analogous

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



53.9305, 57.3998, 41.8271



50.0416, 57.3998, 45.0010



47.4698, 57.3998, 52.8553

Triad

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



50.0416, 57.3998, 45.0010



51.0766, 57.3998, 86.2417



63.1775, 57.3998, 60.7154

Complementary

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



50.0416, 57.3998, 45.0010



44.1318, 41.9918, 63.5399

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.



62.3162, 57.3998, 73.2488



50.0416, 57.3998, 45.0010



55.1879, 57.3998, 89.0569

Square

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



50.0416, 57.3998, 45.0010



48.0451, 57.3998, 76.7704



59.3357, 57.3998, 84.0292



61.6318, 57.3998, 50.1152

Rectangle

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



50.0416, 57.3998, 45.0010



46.7722, 57.3998, 60.2207



59.3357, 57.3998, 84.0292



63.1604, 57.3998, 64.8333

Sweetspot

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



50.0431, 57.4023, 45.0022



90.4961, 97.9257, 96.3365



48.7933, 49.0498, 43.4559



19.2672, 20.9133, 20.3404



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.



50.0431, 57.4023, 45.0022



79.6130, 92.9375, 67.7147



45.6973, 55.1619, 44.7989



11.7085, 12.8671, 11.9459



18.8808, 29.9087, 4.7778



1.0579, 1.5862, 0.2504

Inverse Universe

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



44.1318, 41.9918, 63.5399



68.2840, 63.4006, 103.2463



48.8113, 44.4042, 63.7589



11.0138, 11.0564, 14.1240



9.0692, 3.8829, 36.2277



0.5526, 0.2440, 1.8729

Previews

White Background



This preview shows how the XYZ color 50.0416, 57.3998, 45.0010 looks on a white background.

Color Contrast Check

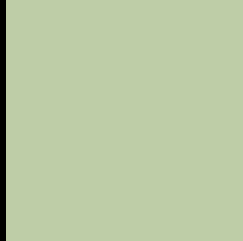
Large Text (above 18pt) WCAG AA × Fail

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 50.0416, 57.3998, 45.0010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

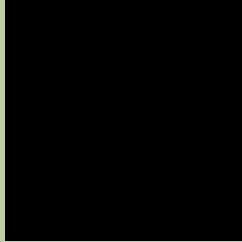
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0416, 57.3998, 45.0010

Background



This preview shows how black text looks on a background with the XYZ color 50.0416, 57.3998, 45.0010.



This preview shows how white text looks on a background with the XYZ color 50.0416, 57.3998,

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

50.0416, 57.3998, 45.0010

Protanopia

53.9882, 57.3761, 43.3512

Deuteranopia

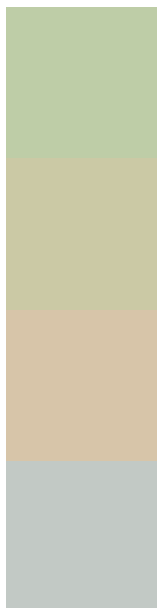
58.4184, 57.2596, 46.0034



Tritanopia

55.3576, 57.1135, 71.7247

Trichromacy



Original Color

50.0416, 57.3998, 45.0010

Protanomaly

52.3068, 57.1864, 43.8785

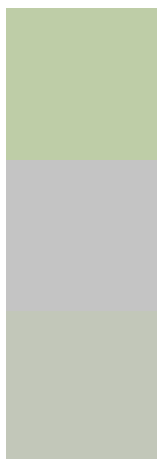
Deuteranomaly

55.1520, 57.2442, 45.6785

Tritanomaly

53.2128, 57.2738, 61.0737

Monochromacy



Original Color

50.0416, 57.3998, 45.0010

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.4285, 55.8190, 53.9625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0416, 57.3998, 45.0010 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(190, 205, 167)` looks like.

```
.text, #text, p{  
    color:rgb(190, 205, 167)  
}
```

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(190, 205, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 205, 167) }
```

Border

The CSS property to change the border of an element to XYZ 50.0416, 57.3998, 45.0010 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(190, 205, 167) }
```


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

```
.border{ border-color:rgb(190, 205, 167) }
```

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

Here you see how a box with a 4 pixel rgb(190, 205, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 205, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 205, 167);  
box-shadow:4px 4px 4px 4px rgb(190, 205,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0416, 57.3998, 45.0010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 205, 167) }
```

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

```
.background{ background-color: rgb(190,  
205, 167) }
```

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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