

Converting Colors

XYZ(45.1940, 50.9013, 16.7755)

Have a look what the booklet for
XYZ(45.1940, 50.9013, 16.7755)
contains.

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Color

**XYZ(45.0209, 50.6627,
16.6385)**

Conversions

Conversions Part 1

Format	Color
Hex	CBBF58
RGB	203, 191, 88
RGB Percent	80%, 75%, 35%
CMY	0.2039, 0.2510, 0.6549
CMYK	0.00, 0.06, 0.57, 0.20
HSL	54°, 53%, 57%
HSV	54°, 57%, 80%
XYZ	45.0209, 50.6627, 16.6385
YIQ	182.8460, 40.2150, -29.4890

Conversions

Conversions Part 2

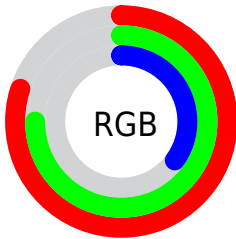
Format	Color
RYB	101, 203, 88
Decimal	13352792
CIELab	76.47, -8.84, 52.51
CIELCh	76, 53.251, 99.553
Yxy	50.6627, 0.4008, 0.4510
Android (android.graphics.Color)	4291542872 (0xFFCBBF58)
YUV	182.8460, -46.7591, 17.6751
Hunter-Lab	71.1777, -11.6573, 35.9648

Details

The XYZ color **45.0209, 50.6627, 16.6385** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **19.3611, 15.5004, 58.4713**, and the grayscale version is **45.1592, 47.5110, 51.7395**.

A 20% lighter version of the original color is **79.3085, 89.7046, 38.3340**, and **21.2459, 24.4093, 5.1818** is the 20% darker color. If you saturate the color by 10%, you get **43.8364, 49.4573, 12.6572**, and if you desaturate by 10%, it is **46.4486, 51.9799, 21.8570**.

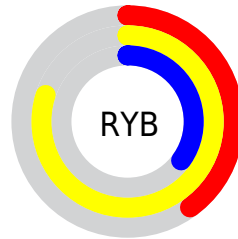
Distribution



Red (80%)

Green (75%)

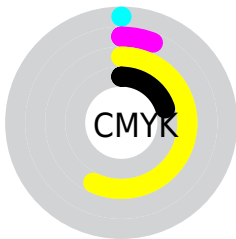
Blue (35%)



Red (40%)

Yellow (80%)

Blue (35%)

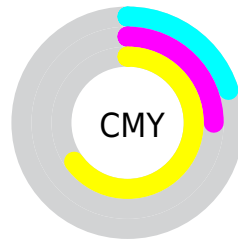


Cyan (0%)

Magenta (6%)

Yellow (57%)

Black (20%)



Cyan (20%)

Magenta (25%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0209, 50.6627, 16.6385 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 45.0209, 50.6627, 16.6385 by changing the saturation by 10% instead.

45.0209, 50.6627,
16.6385

45.0209, 50.6627,
16.6385

357.6405,
389.2519, 245.0535

31.6752, 35.9402,
9.8179

81.9886, 91.1560,
38.4853

21.2679, 24.3880,
5.1743

106.3414,
117.6956, 54.3485

13.4335, 15.6217,
2.2894

135.0940,
148.9431, 74.0630

7.8068, 9.2569,
0.7253

168.6116,
185.2828, 98.0473

4.0223, 4.9091,
0.0000

207.2598,
227.0991, 126.7200

1.7148, 2.1940,
0.0000

251.4037,

0.4655, 0.7167,

274.7765, 160.4995

0.0000

301.4088,
328.6993, 199.8045

■ 0.0000, 0.0000,
0.0000

■ 45.0209, 50.6627,
16.6385

■ 45.0209, 50.6627,
16.6385

■ 43.8364, 49.4573,
12.6572

■ 46.4486, 51.9799,
21.8570

■ 42.8715, 48.3484,
9.8047

■ 48.1336, 53.4088,
28.4027

■ 42.1041, 47.3292,
7.9595

■ 50.0931, 54.9583,
36.3609

■ 41.5038, 46.3873,
6.9615

■ 52.3419, 56.6343,
45.8088

■ 41.3210, 46.0814,
6.7167

■ 54.8935, 58.4423,
56.8180

■ 57.7607, 60.3875,
69.4556

■ 60.9555, 62.4747,
83.7846

■ 64.4893, 64.7084,
99.8649

■ 65.7403, 66.0400,
103.8898

Harmonies

Analogous

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



55.2150, 50.6627, 17.8901



45.0209, 50.6627, 16.6385



36.8795, 50.6627, 22.5789

Triad

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



45.0209, 50.6627, 16.6385



34.7530, 50.6627, 98.3766



68.5951, 50.6627, 76.8123

Complementary

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



45.0209, 50.6627, 16.6385



19.3611, 15.5004, 58.4713

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.



61.5183, 50.6627, 109.6967



45.0209, 50.6627, 16.6385



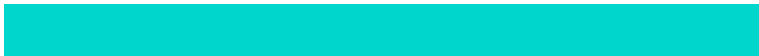
41.7211, 50.6627, 124.8513

Square

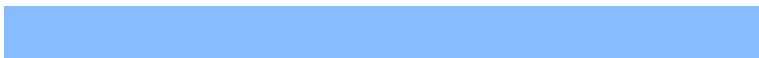
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.0209, 50.6627, 16.6385



31.5188, 50.6627, 64.8540



51.4279, 50.6627, 129.5918



69.8027, 50.6627, 46.4891

Rectangle

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



45.0209, 50.6627, 16.6385



33.3580, 50.6627, 31.6274



51.4279, 50.6627, 129.5918



66.7813, 50.6627, 88.1795

Sweetspot

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



45.0221, 50.6651, 16.6395



87.4140, 94.6648, 75.7210



30.4881, 20.6242, 14.7938



18.5387, 20.1366, 15.4800



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.



45.0221, 50.6651, 16.6395



73.0071, 82.3817, 19.9564



37.3992, 50.7789, 17.0633



12.0500, 12.8890, 11.9321



26.3360, 29.4050, 4.2877



1.3881, 1.5758, 0.2310

Inverse Universe

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



19.3611, 15.5004, 58.4713



26.0221, 18.0502, 96.7203



23.7984, 16.2041, 58.3732



10.6944, 11.0292, 14.1356



7.0650, 3.1539, 36.1927



0.3972, 0.2282, 1.8780

Previews

White Background



This preview shows how the XYZ color 45.0209, 50.6627, 16.6385 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 45.0209, 50.6627, 16.6385 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 45.0209, 50.6627, 16.6385

Background



This preview shows how black text looks on a background with the XYZ color 45.0209, 50.6627, 16.6385.



This preview shows how white text looks on a background with the XYZ color 45.0209, 50.6627,

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

45.0209, 50.6627, 16.6385

Protanopia

46.2124, 50.6386, 16.3554

Deuteranopia

51.8139, 50.7215, 16.9569



Tritanopia

53.4994, 50.6837, 58.0021

Trichromacy



Original Color

45.0209, 50.6627, 16.6385

Protanomaly

45.8659, 50.7804, 16.4010

Deuteranomaly

49.1102, 50.5488, 16.8414

Tritanomaly

49.3514, 50.2028, 38.0994

Monochromacy



Original Color

45.0209, 50.6627, 16.6385

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.1394, 48.2031, 34.9947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0209, 50.6627, 16.6385 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(203, 191, 88)` looks like.

```
.text, #text, p{  
    color:rgb(203, 191, 88)  
}
```

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(203, 191, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 191, 88) }
```

Border

The CSS property to change the border of an element to XYZ 45.0209, 50.6627, 16.6385 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(203, 191, 88) }
```


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

```
.border{ border-color:rgb(203, 191, 88) }
```

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

Here you see how a box with a 4 pixel rgb(203, 191, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 191, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 191, 88);  
box-shadow:4px 4px 4px 4px rgb(203, 191,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0209, 50.6627, 16.6385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 191, 88) }
```

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

```
.background{ background-color: rgb(203,  
191, 88) }
```

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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