

Converting Colors

XYZ(45.4813, 50.9604, 43.5156)

Have a look what the booklet for
XYZ(45.4813, 50.9604, 43.5156)
contains.

XYZ(45.4813, 50.9604, 43.5156)	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(45.4813, 50.9604,
43.5156)**

Conversions

Conversions Part 1

Format	Color
Hex	B7C1A6
RGB	183, 193, 166
RGB Percent	72%, 76%, 65%
CMY	0.2824, 0.2431, 0.3490
CMYK	0.05, 0.00, 0.14, 0.24
HSL	82°, 18%, 70%
HSV	82°, 14%, 76%
XYZ	45.4813, 50.9604, 43.5156
YIQ	186.9320, 2.7070, -10.5170

Conversions

Conversions Part 2

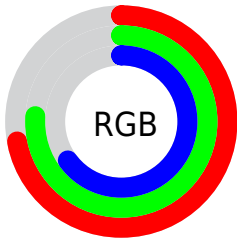
Format	Color
RYB	166, 193, 176
Decimal	12042662
CIELab	76.66, -8.29, 12.43
CIELCh	77, 14.943, 123.707
Yxy	50.9604, 0.3250, 0.3641
Android (android.graphics.Color)	4290232742 (0xFFB7C1A6)
YUV	186.9320, -10.3195, -3.4484
Hunter-Lab	71.3866, -11.2018, 13.8288

Details

The XYZ color **45.4813, 50.9604, 43.5156** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.1684, 40.3542, 56.0742**, and the grayscale version is **47.2522, 49.7130, 54.1374**.

A 20% lighter version of the original color is **82.5234, 91.3225, 81.6842**, and **21.6213, 24.7169, 19.5509** is the 20% darker color. If you saturate the color by 10%, you get **42.1847, 49.4519, 34.8027**, and if you desaturate by 10%, it is **49.1329, 52.6242, 53.6342**.

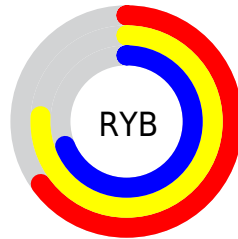
Distribution



Red (72%)

Green (76%)

Blue (65%)



Red (65%)

Yellow (76%)

Blue (69%)

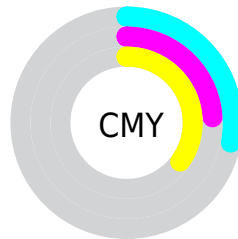


Cyan (5%)

Magenta (0%)

Yellow (14%)

Black (24%)



Cyan (28%)

Magenta (24%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4813, 50.9604, 43.5156 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 45.4813, 50.9604, 43.5156 by changing the saturation by 10% instead.

 45.4813, 50.9604,
43.5156


 45.4813, 50.9604,
43.5156


359.4703,
390.4099, 376.7112

 32.0396, 36.1771,
29.9555


 82.6748, 91.5962,
81.7830

 21.5474, 24.5710,
19.5530


 107.1573,
118.2176, 107.3274

 13.6395, 15.7577,
11.8897


136.0508,
149.5537, 137.7036

 7.9504, 9.3529,
6.5470

169.7206,
185.9890, 173.3302

 4.1147, 4.9721,
3.1063

208.5321,
227.9078, 214.6258

 1.7673, 2.2309,
1.1492

252.8507,

 0.4978, 0.7368,

275.6947, 262.0087

0.0000

303.0416,
329.7339, 315.8977

■ 0.0000, 0.0000,
0.0000

■ 45.4813, 50.9604,
43.5156

■ 45.4813, 50.9604,
43.5156

■ 42.1847, 49.4519,
34.8027

■ 49.1329, 52.6242,
53.6342

■ 39.2258, 48.0866,
27.4301

■ 53.1475, 54.4417,
65.2135

■ 36.5920, 46.8611,
21.3318

■ 57.5383, 56.4199,
78.3096

■ 34.2683, 45.7692,
16.4353

■ 62.3163, 58.5634,
92.9746

■ 32.2380, 44.8040,
12.6607

■ 66.2601, 60.3838,
102.7707

■ 30.4828, 43.9580,
9.9183

■ 68.4547, 61.5151,
102.8734

■ 28.9816, 43.2227,
8.1046

■ 70.7428, 62.6947,
102.9805

■ 27.7092, 42.5878,
7.0949

■ 73.1255, 63.9230,
103.0920

■ 27.0265, 42.2432,
6.7293

■ 75.6040, 65.2007,
103.2080

Harmonies

Analogous

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



48.0857, 50.9604, 41.3539



45.4813, 50.9604, 43.5156



43.7235, 50.9604, 48.8716

Triad

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



45.4813, 50.9604, 43.5156



46.0676, 50.9604, 70.6509



54.0671, 50.9604, 54.4865

Complementary

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



45.4813, 50.9604, 43.5156



41.1684, 40.3542, 56.0742

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.



53.4762, 50.9604, 62.6744



45.4813, 50.9604, 43.5156



48.7887, 50.9604, 72.5214

Square

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



45.4813, 50.9604, 43.5156



44.0527, 50.9604, 64.5847



51.5167, 50.9604, 69.4748



53.1016, 50.9604, 47.2868

Rectangle

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



45.4813, 50.9604, 43.5156



43.2306, 50.9604, 53.7979



51.5167, 50.9604, 69.4748



54.0441, 50.9604, 57.2116

Sweetspot

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



45.4827, 50.9626, 43.5167



87.9435, 94.2231, 95.9151



44.3829, 45.1038, 42.4438



18.7555, 20.1635, 20.2626



92.9021, 97.7402, 106.4391



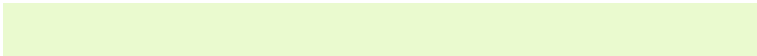
19.4759, 20.4902, 22.3138

Same Dimension

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



45.4827, 50.9626, 43.5167



79.4526, 90.3542, 72.5516



42.4457, 49.3970, 43.3746



10.5400, 11.5658, 10.7388



18.0655, 28.1419, 4.4798



0.8545, 1.2541, 0.1970

Inverse Universe

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



41.1684, 40.3542, 56.0742



70.1332, 67.4366, 99.6804



44.3494, 41.9941, 56.2231



9.8729, 9.9256, 12.6803



8.2367, 3.5066, 33.7993



0.4322, 0.1909, 1.4639

Previews

White Background



This preview shows how the XYZ color 45.4813, 50.9604, 43.5156 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 45.4813, 50.9604, 43.5156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

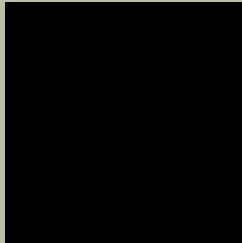
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4813, 50.9604, 43.5156

Background



This preview shows how black text looks on a background with the XYZ color 45.4813, 50.9604, 43.5156.



This preview shows how white text looks on a background with the XYZ color 45.4813, 50.9604,

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

45.4813, 50.9604, 43.5156

Protanopia

47.9728, 50.6525, 42.3704

Deuteranopia

51.8202, 50.7301, 44.1065



Tritanopia

49.5017, 50.9696, 63.7290

Trichromacy



Original Color

45.4813, 50.9604, 43.5156

Protanomaly

47.1973, 50.8810, 42.9308

Deuteranomaly

49.1626, 50.6043, 43.7357

Tritanomaly

47.9574, 50.9837, 56.0284

Monochromacy



Original Color

45.4813, 50.9604, 43.5156

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5840, 50.0890, 49.8607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4813, 50.9604, 43.5156 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(183, 193, 166)` looks like.

```
.text, #text, p{  
    color:rgb(183, 193, 166)  
}
```

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(183, 193, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 193, 166) }
```

Border

The CSS property to change the border of an element to XYZ 45.4813, 50.9604, 43.5156 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(183, 193, 166) }
```


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

```
.border{ border-color:rgb(183, 193, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 193, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 193, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 193, 166);  
box-shadow:4px 4px 4px 4px rgb(183, 193,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4813, 50.9604, 43.5156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 193, 166) }
```

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

```
.background{ background-color: rgb(183,  
193, 166) }
```

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