

Converting Colors

XYZ(45.8883, 47.1870, 39.4809)

Have a look what the booklet for
XYZ(45.8883, 47.1870, 39.4809)
contains.

XYZ(45.8680, 47.1515, 39.4845)	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(45.8680, 47.1515,
39.4845)**

Conversions

Conversions Part 1

Format	Color
Hex	C6B49F
RGB	198, 180, 159
RGB Percent	78%, 71%, 62%
CMY	0.2235, 0.2941, 0.3765
CMYK	0.00, 0.09, 0.20, 0.22
HSL	32°, 25%, 70%
HSV	32°, 20%, 78%
XYZ	45.8680, 47.1515, 39.4845
YIQ	182.9880, 17.4690, -2.7150

Conversions

Conversions Part 2

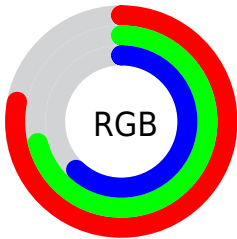
Format	Color
RYB	192, 198, 159
Decimal	13022367
CIELab	74.29, 3.02, 13.04
CIElCh	74, 13.390, 76.960
Yxy	47.1515, 0.3462, 0.3558
Android (android.graphics.Color)	4291212447 (0xFFC6B49F)
YUV	182.9880, -11.8261, 13.1655
Hunter-Lab	68.6669, -0.9331, 13.9742

Details

The XYZ color **45.8680, 47.1515, 39.4845** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.2130, 42.8915, 59.5859**, and the grayscale version is **45.0603, 47.4070, 51.6262**.

A 20% lighter version of the original color is **83.3731, 86.1059, 75.8442**, and **21.7977, 22.1907, 17.3217** is the 20% darker color. If you saturate the color by 10%, you get **42.5019, 42.9520, 30.5537**, and if you desaturate by 10%, it is **49.6335, 51.7086, 49.9074**.

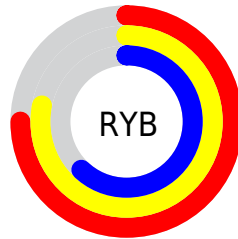
Distribution



Red (78%)

Green (71%)

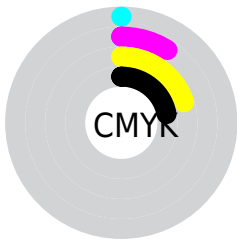
Blue (62%)



Red (75%)

Yellow (78%)

Blue (62%)

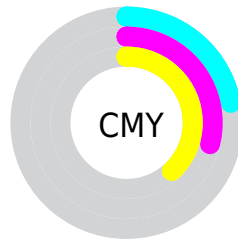


Cyan (0%)

Magenta (9%)

Yellow (20%)

Black (22%)



Cyan (22%)


Magenta (29%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8680, 47.1515, 39.4845 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 45.8680, 47.1515, 39.4845 by changing the saturation by 10% instead.


 45.8680, 47.1515,
39.4845

 45.8680, 47.1515,
39.4845


361.0026,
375.4189, 359.4333

 32.3459, 33.1554,
26.8261


 83.2505, 85.9397,
75.6064

 21.7826, 22.2455,
17.2114


 107.8415,
111.5007, 99.9069

 13.8130, 14.0374,
10.2218


136.8529,
141.6854, 128.9253

 8.0715, 8.1467,
5.4387

170.6500,
176.8782, 163.0800

 4.1929, 4.1890,
2.4437

209.5982,
217.4636, 202.7897

 1.8119, 1.7798,
0.8101

254.0628,

 0.5248, 0.4745,

263.8259, 248.4727

0.0000

304.4091,
316.3496, 300.5477

■ 0.0000, 0.0000,
0.0000

■ 45.8680, 47.1515,
39.4845

■ 45.8680, 47.1515,
39.4845

■ 42.5019, 42.9520,
30.5537

■ 49.6335, 51.7086,
49.9074

■ 39.5160, 39.0937,
23.0425

■ 53.8091, 56.6262,
61.8845

■ 36.8950, 35.5685,
16.8765

■ 58.4098, 61.9156,
75.4779

■ 34.6210, 32.3651,
11.9733

■ 63.4484, 67.5853,
90.7455

■ 32.6743, 29.4716,
8.2416

■ 68.4503, 73.4487,
105.1770

■ 31.0325, 26.8748,
5.5772

■ 70.9968, 78.5417,
106.0259

■ 29.6698, 24.5600,
3.8575

■ 73.6776, 83.9034,
106.9195

■ 28.5408, 22.5044,
2.8568

■ 76.4948, 89.5376,
107.8585

■ 28.5087, 22.4455,
2.8298

■ 77.0989, 90.7459,
108.0599

Harmonies

Analogous

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



48.0481, 47.1515, 42.2530



45.8680, 47.1515, 39.4845



43.4802, 47.1515, 39.6817

Triad

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



45.8680, 47.1515, 39.4845



40.5353, 47.1515, 55.3023



48.2828, 47.1515, 60.9235

Complementary

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



45.8680, 47.1515, 39.4845



40.2130, 42.8915, 59.5859

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.



46.1791, 47.1515, 65.0835



45.8680, 47.1515, 39.4845



41.7324, 47.1515, 61.6445

Square

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



45.8680, 47.1515, 39.4845



40.4588, 47.1515, 48.4083



43.7804, 47.1515, 65.3586



49.4755, 47.1515, 54.3877

Rectangle

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



45.8680, 47.1515, 39.4845



42.0918, 47.1515, 41.4646



43.7804, 47.1515, 65.3586



47.6554, 47.1515, 62.6706

Sweetspot

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



45.8693, 47.1536, 39.4855



90.4726, 94.6314, 95.7019



43.6431, 39.9849, 47.1177



19.2618, 20.1330, 20.1901



0.0000, 0.0000, 0.0000



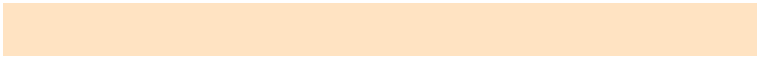
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8693, 47.1536, 39.4855



78.3586, 79.9530, 62.2238



49.4000, 54.7217, 40.7602



11.0991, 11.5672, 11.2105



18.6262, 14.7696, 1.8691



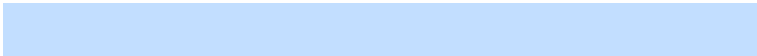
0.9539, 0.8431, 0.1125

Inverse Universe

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



40.2130, 42.8915, 59.5859



66.3787, 70.9267, 104.7994



37.1490, 36.3787, 58.4903



10.4532, 11.0805, 13.5053



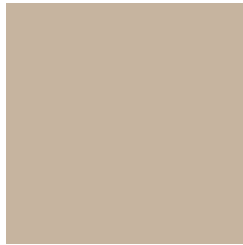
9.1657, 7.7254, 35.7524



0.5063, 0.5103, 1.7170

Previews

White Background



This preview shows how the XYZ color 45.8680, 47.1515, 39.4845 looks on a white background.

Color Contrast Check

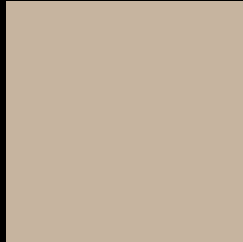
Large Text (above 18pt) WCAG AA × Fail

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 45.8680, 47.1515, 39.4845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

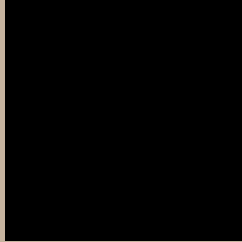
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8680, 47.1515, 39.4845

Background



This preview shows how black text looks on a background with the XYZ color 45.8680, 47.1515, 39.4845.



This preview shows how white text looks on a background with the XYZ color 45.8680, 47.1515,

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

45.8680, 47.1515, 39.4845

Protanopia

44.5590, 47.0703, 39.9947

Deuteranopia

48.1650, 47.1440, 39.8188



Tritanopia

49.0678, 47.2813, 54.6842

Trichromacy



Original Color

45.8680, 47.1515, 39.4845

Protanomaly

45.1172, 47.0551, 39.9623

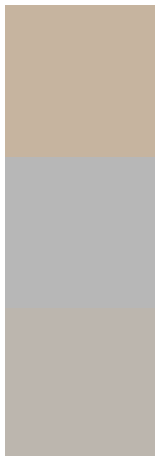
Deuteranomaly

47.2441, 46.9615, 39.8321

Tritanomaly

47.8454, 47.0761, 48.6844

Monochromacy



Original Color

45.8680, 47.1515, 39.4845

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.1070, 47.2033, 46.7781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8680, 47.1515, 39.4845 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(198, 180, 159)` looks like.

```
.text, #text, p{  
    color:rgb(198, 180, 159)  
}
```

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(198, 180, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 180, 159) }
```

Border

The CSS property to change the border of an element to XYZ 45.8680, 47.1515, 39.4845 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(198, 180, 159) }
```


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

```
.border{ border-color:rgb(198, 180, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 180, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 180, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 180, 159);  
box-shadow:4px 4px 4px 4px rgb(198, 180,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8680, 47.1515, 39.4845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 180, 159) }
```

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

```
.background{ background-color: rgb(198,  
180, 159) }
```

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