

# Converting Colors

XYZ(45.1084, 45.7267, 39.4204)

Have a look what the booklet for  
XYZ(45.1084, 45.7267, 39.4204)  
contains.

<b>XYZ(45.2689, 45.9533, 39.2848)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(45.2689, 45.9533,  
39.2848)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6B19F
RGB	198, 177, 159
RGB Percent	78%, 69%, 62%
CMY	0.2235, 0.3059, 0.3765
CMYK	0.00, 0.11, 0.20, 0.22
HSL	28°, 25%, 70%
HSV	28°, 20%, 78%
XYZ	45.2689, 45.9533, 39.2848
YIQ	181.2270, 18.2940, -1.1460

# Conversions

## Conversions Part 2

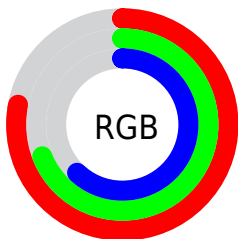
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 192, 159
Decimal	13021599
CIELab	73.52, 4.63, 11.96
CIELCh	74, 12.821, 68.826
Yxy	45.9533, 0.3469, 0.3521
Android (android.graphics.Color)	4291211679 (0xFFC6B19F)
YUV	181.2270, -10.9579, 14.7099
Hunter-Lab	67.7889, 0.5705, 13.0926

# Details

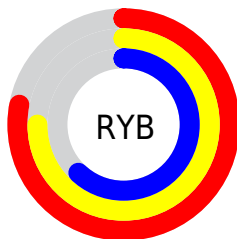
The XYZ color **45.2689, 45.9533, 39.2848** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.8121, 44.0896, 59.7856**, and the grayscale version is **44.0954, 46.3918, 50.5206**.

A 20% lighter version of the original color is **82.5165, 84.3929, 75.5587**, and **21.4160, 21.4273, 17.1945** is the 20% darker color. If you saturate the color by 10%, you get **41.6629, 41.2740, 30.2741**, and if you desaturate by 10%, it is **49.3171, 51.0758, 49.8019**.

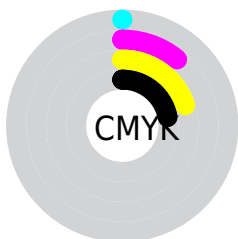
# Distribution



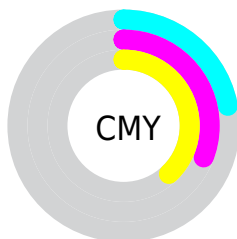
- Red (78%)
- Green (69%)
- Blue (62%)



- Red (78%)
- Yellow (75%)
- Blue (62%)



- Cyan (0%)
- Magenta (11%)
- Yellow (20%)
- Black (22%)




- Cyan (22%)
- Magenta (31%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2689, 45.9533, 39.2848 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 45.2689, 45.9533, 39.2848 by changing the saturation by 10% instead.




 45.2689, 45.9533,  
39.2848


 45.2689, 45.9533,  
39.2848


358.6269,  
370.6209, 358.5619

 31.8715, 32.2090,  
26.6718


 82.3584, 84.1491,  
75.2983

 21.4184, 21.5212,  
17.0966


 106.7811,  
109.3694, 99.5360

 13.5444, 13.5055,  
10.1407


135.6096,  
139.1837, 128.4855

 7.8840, 7.7775,  
5.3855

169.2093,  
173.9766, 162.5656

 4.0720, 3.9529,  
2.4125

207.9456,  
214.1323, 202.1948

 1.7430, 1.6473,  
0.7933

252.1837,

 0.4829, 0.3892,

260.0354, 247.7915

0.0000

302.2890,  
312.0701, 299.7744

■ 0.0000, 0.0000,  
0.0000

■ 45.2689, 45.9533,  
39.2848

■ 45.2689, 45.9533,  
39.2848

■ 41.6629, 41.2740,  
30.2741

■ 49.3171, 51.0758,  
49.8019

■ 38.4786, 37.0191,  
22.6967

■ 53.8197, 56.6474,  
61.8880

■ 35.6993, 33.1771,  
16.4779

■ 58.7928, 62.6818,  
75.6056

■ 33.3054, 29.7339,  
11.5348

■ 64.2508, 69.1901,  
91.0129

■ 31.2755, 26.6741,  
7.7753

■ 69.7200, 75.9882,  
105.6003

■ 29.5858, 23.9813,  
5.0950

■ 72.7830, 82.1141,  
106.6213

■ 28.2084, 21.6370,  
3.3703

■ 76.0307, 88.6094,  
107.7038

■ 27.0958, 19.6145,  
2.3751

■ 77.0989, 90.7459,  
108.0599

■ 27.0647, 19.5575,  
2.3485

# Harmonies

## Analogous

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



47.1579, 45.9533, 42.6173



45.2689, 45.9533, 39.2848



43.0126, 45.9533, 38.6969

# Triad

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



45.2689, 45.9533, 39.2848



39.5144, 45.9533, 51.9731



46.4644, 45.9533, 60.3923

# Complementary

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



45.2689, 45.9533, 39.2848



40.8121, 44.0896, 59.7856

# 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.



44.3487, 45.9533, 63.3968



45.2689, 45.9533, 39.2848



40.3722, 45.9533, 58.2677

# Square

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



45.2689, 45.9533, 39.2848



39.7416, 45.9533, 45.6650



42.1233, 45.9533, 62.5874



47.8645, 45.9533, 54.6760



# Rectangle

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



45.2689, 45.9533, 39.2848



41.6113, 45.9533, 39.8864



42.1233, 45.9533, 62.5874



45.8104, 45.9533, 61.7745

# Sweetspot

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



45.2701, 45.9554, 39.2858



90.1120, 93.9102, 95.5817



43.9715, 40.1163, 48.8469



19.1766, 19.9626, 20.1617



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.



45.2701, 45.9554, 39.2858



77.0903, 77.4165, 61.8010



49.2984, 54.0118, 40.6285



11.0306, 11.4303, 11.1877



17.6844, 12.8860, 1.5552



0.9096, 0.7547, 0.0977



# Inverse Universe

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



40.8121, 44.0896, 59.7856



67.6469, 73.4631, 105.2222



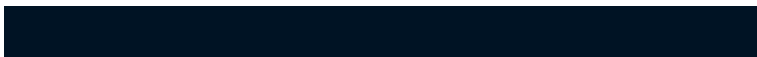
37.2278, 36.9210, 58.5908



10.5217, 11.2174, 13.5281



10.1071, 9.6080, 36.0662



0.5505, 0.5988, 1.7317



# Previews

## White Background



This preview shows how the XYZ color 45.2689, 45.9533, 39.2848 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 45.2689, 45.9533, 39.2848 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

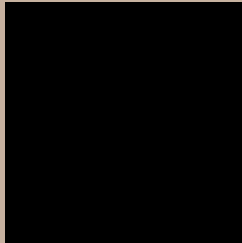
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

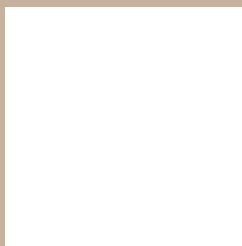
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.2689, 45.9533, 39.2848**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.2689, 45.9533, 39.2848.



This preview shows how white text looks on a background with the XYZ color 45.2689, 45.9533,

39.2848.

# 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

45.2689, 45.9533, 39.2848

### Protanopia

43.7405, 46.0345, 40.2984

### Deuteranopia

46.9348, 45.9320, 39.6497



## Tritanopia

48.0006, 45.8925, 53.3419

# Trichromacy



## Original Color

45.2689, 45.9533, 39.2848

## Protanomaly

44.2035, 45.9847, 39.8039

## Deuteranomaly

46.3037, 45.8945, 39.6758

## Tritanomaly

46.8913, 45.7258, 47.9495

# Monochromacy



## Original Color

45.2689, 45.9533, 39.2848

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

44.3576, 46.2244, 46.1195

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2689, 45.9533, 39.2848 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, 177, 159)` looks like.

```
.text, #text, p{  
    color:rgb(198, 177, 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, 177, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 177, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2689, 45.9533, 39.2848 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, 177, 159) }
```



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

```
.border{ border-color:rgb(198, 177, 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, 177, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 177, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 177, 159);  
box-shadow:4px 4px 4px 4px rgb(198, 177,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2689, 45.9533, 39.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 177, 159) }
```

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

```
.background{ background-color: rgb(198,  
177, 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