

# Converting Colors

XYZ(42.2824, 39.2088, 39.4459)

Have a look what the booklet for  
XYZ(42.2824, 39.2088, 39.4459)  
contains.

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# Color

**XYZ(42.3016, 39.2045,  
39.5201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C79EA2
RGB	199, 158, 162
RGB Percent	78%, 62%, 64%
CMY	0.2196, 0.3804, 0.3647
CMYK	0.00, 0.21, 0.19, 0.22
HSL	354°, 27%, 70%
HSV	354°, 21%, 78%
XYZ	42.3016, 39.2045, 39.5201
YIQ	170.7150, 23.1520, 9.9360

# Conversions

## Conversions Part 2

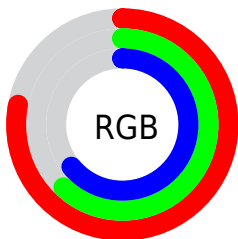
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 158, 162
Decimal	13082274
CIE <sub>Lab</sub>	68.90, 15.80, 3.71
CIE <sub>LCh</sub>	69, 16.233, 13.223
Yxy	39.2045, 0.3495, 0.3239
Android (android.graphics.Color)	4291272354 (0xFFC79EA2)
YUV	170.7150, -4.2965, 24.8059
Hunter-Lab	62.6135, 11.0208, 6.4071

# Details

The XYZ color **42.3016, 39.2045, 39.5201** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.3759, 52.0569, 59.3414**, and the grayscale version is **38.5794, 40.5885, 44.2009**.

A 20% lighter version of the original color is **77.5586, 73.8583, 75.8139**, and **19.4701, 17.3631, 17.0771** is the 20% darker color. If you saturate the color by 10%, you get **37.6940, 32.3641, 30.6621**, and if you desaturate by 10%, it is **47.6891, 47.2389, 49.7639**.

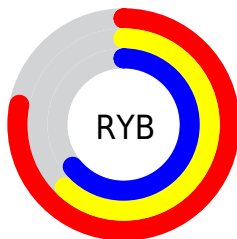
# Distribution



Red (78%)

Green (62%)

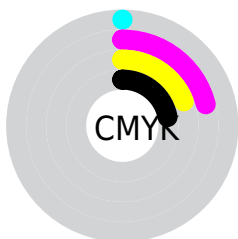
Blue (64%)



Red (78%)

Yellow (62%)

Blue (64%)

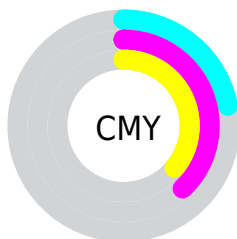


Cyan (0%)

Magenta (21%)

Yellow (19%)

Black (22%)



Cyan (22%)

Magenta (38%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3016, 39.2045, 39.5201 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 42.3016, 39.2045, 39.5201 by changing the saturation by 10% instead.





 42.3016, 39.2045,  
39.5201


 42.3016, 39.2045,  
39.5201


346.7021,  
342.7592, 359.5885

 29.5297, 26.9189,  
26.8536


 77.9182, 73.9506,  
75.6613

 19.6282, 17.5123,  
17.2319

 101.4935, 97.1799,  
99.9730

 12.2317, 10.6004,  
10.2362


129.4008,  
124.8258, 129.0037

 6.9750, 5.7988,  
5.4482

162.0052,  
157.2728, 163.1717

 3.4927, 2.7231,  
2.4493

199.6722,  
194.9052, 202.8956

 1.4193, 0.9890,  
0.8131

242.7671,

 0.2699, 0.0000,

238.1075, 248.5940

0.0000

291.6552,  
287.2640, 300.6855

■ 0.0000, 0.0000,  
0.0000

■ 42.3016, 39.2045,  
39.5201

■ 42.3016, 39.2045,  
39.5201

■ 37.6940, 32.3641,  
30.6621

■ 47.6891, 47.2389,  
49.7639

■ 33.8270, 26.6558,  
23.1281

■ 53.8868, 56.5149,  
61.4470

■ 30.6627, 22.0200,  
16.8551

■ 60.9277, 67.0839,  
74.6230

■ 28.1588, 18.3896,  
11.7740

■ 68.8416, 78.9930,  
89.3419

■ 26.2681, 15.6899,  
7.8091

■ 76.8527, 90.6779,  
105.3834

■ 24.9374, 13.8360,  
4.8759

■ 77.3633, 90.8822,  
108.0723

■ 24.1039, 12.7271,  
2.8777

■ 23.6742, 12.1905,  
1.7393

# Harmonies

## Analogous

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



42.2151, 39.2045, 46.9189



42.3016, 39.2045, 39.5201



40.9943, 39.2045, 33.6809

# Triad

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



42.3016, 39.2045, 39.5201



33.9687, 39.2045, 33.1520



35.8496, 39.2045, 57.7794

# Complementary

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



42.3016, 39.2045, 39.5201



44.3759, 52.0569, 59.3414

# 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.



33.7647, 39.2045, 53.1705



42.3016, 39.2045, 39.5201



32.7137, 39.2045, 38.7176

# Square

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



42.3016, 39.2045, 39.5201



36.1398, 39.2045, 30.3005



32.6407, 39.2045, 46.0188



38.4086, 39.2045, 58.0587



# Rectangle

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



42.3016, 39.2045, 39.5201



39.5417, 39.2045, 31.2219



32.6407, 39.2045, 46.0188



35.0730, 39.2045, 56.6629

# Sweetspot

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



42.3027, 39.2063, 39.5209



88.2176, 89.7660, 96.0460



45.0166, 40.1679, 59.4136



18.7300, 18.9859, 20.2707



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.



42.3027, 39.2063, 39.5209



70.0567, 62.6833, 61.5092



44.9393, 45.0391, 38.6749



10.6752, 10.6535, 11.2727



15.2381, 7.8448, 1.1977



0.7362, 0.3773, 0.1340



# Inverse Universe

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



42.3027, 39.2063, 39.5209



70.0567, 62.6833, 61.5092



41.2619, 45.0963, 60.5627



10.6752, 10.6535, 11.2727



15.2381, 7.8448, 1.1977

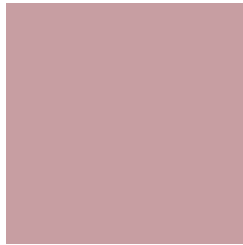


0.7362, 0.3773, 0.1340



# Previews

## White Background



This preview shows how the XYZ color 42.3016, 39.2045, 39.5201 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

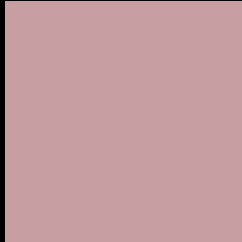
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.3016, 39.2045, 39.5201 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 42.3016, 39.2045, 39.5201

## Background



This preview shows how black text looks on a background with the XYZ color 42.3016, 39.2045, 39.5201.



This preview shows how white text looks on a background with the XYZ color 42.3016, 39.2045, 39.5201.



# 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

42.3016, 39.2045, 39.5201

### Protanopia

37.7723, 39.4532, 42.1836

### Deuteranopia

40.0237, 39.3324, 39.2006



## Tritanopia

43.0378, 39.2579, 42.8453

# Trichromacy



## Original Color

42.3016, 39.2045, 39.5201

## Protanomaly

39.1230, 39.0913, 41.0807

## Deuteranomaly

40.6637, 39.1393, 39.1296

## Tritanomaly

42.7593, 39.1465, 41.3788

# Monochromacy



## Original Color

42.3016, 39.2045, 39.5201

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.7602, 39.9233, 42.6562

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3016, 39.2045, 39.5201 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(199, 158, 162)` looks like.

```
.text, #text, p{  
    color:rgb(199, 158, 162)  
}
```

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(199, 158, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 158, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3016, 39.2045, 39.5201 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(199, 158, 162) }
```



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

```
.border{ border-color:rgb(199, 158, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 158, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 158, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 158, 162);  
box-shadow:4px 4px 4px 4px rgb(199, 158,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3016, 39.2045, 39.5201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 158, 162) }
```

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

```
.background{ background-color: rgb(199,  
158, 162) }
```

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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