

# Converting Colors

XYZ(50.8424, 50.0106, 38.2268)

Have a look what the booklet for  
XYZ(50.8424, 50.0106, 38.2268)  
contains.

<b>XYZ(50.8435, 50.0470, 38.4328)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(50.8435, 50.0470,  
38.4328)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8B59C
RGB	216, 181, 156
RGB Percent	85%, 71%, 61%
CMY	0.1529, 0.2902, 0.3882
CMYK	0.00, 0.16, 0.28, 0.15
HSL	25°, 43%, 73%
HSV	25°, 28%, 85%
XYZ	50.8435, 50.0470, 38.4328
YIQ	188.6150, 28.8850, -0.3550

# Conversions

## Conversions Part 2

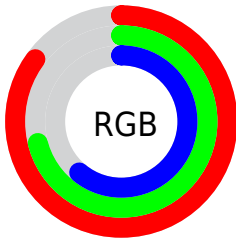
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 199, 156
Decimal	14202268
CIE <sub>Lab</sub>	76.10, 8.91, 17.45
CIE <sub>LCh</sub>	76, 19.589, 62.946
Yxy	50.0470, 0.3649, 0.3592
Android (android.graphics.Color)	4292392348 (0xFFD8B59C)
YUV	188.6150, -16.0792, 24.0166
Hunter-Lab	70.7439, 4.4858, 17.3105

# Details

The XYZ color **50.8435, 50.0470, 38.4328** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **44.7352, 49.2858, 72.1211**, and the grayscale version is **48.2283, 50.7400, 55.2558**.

A 20% lighter version of the original color is **83.2821, 86.5315, 73.9408**, and **24.7662, 23.9318, 16.6786** is the 20% darker color. If you saturate the color by 10%, you get **46.7280, 44.4873, 28.8254**, and if you desaturate by 10%, it is **55.5186, 56.2048, 49.8325**.

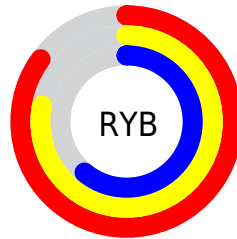
# Distribution



Red (85%)

Green (71%)

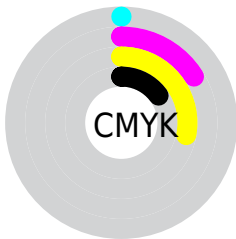
Blue (61%)



Red (85%)

Yellow (78%)

Blue (61%)

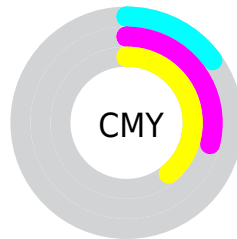


Cyan (0%)

Magenta (16%)

Yellow (28%)

Black (15%)



Cyan (15%)

Magenta (29%)

Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8435, 50.0470, 38.4328 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 50.8435, 50.0470, 38.4328 by changing the saturation by 10% instead.





 50.8435, 50.0470,  
38.4328


 50.8435, 50.0470,  
38.4328


380.3531,  
386.8497, 354.8266

 36.3046, 35.4507,  
26.0143

 90.6078, 90.2445,  
73.9818

 24.8407, 24.0103,  
16.6085

 116.5639,  
116.6146, 97.9494

 16.0865, 15.3413,  
9.7968


147.0564,  
147.6780, 126.6038

 9.6766, 9.0592,  
5.1606

182.4507,  
183.8192, 160.3635

 5.2457, 4.7798,  
2.2814

223.1122,  
225.4226, 199.6471

 2.4284, 2.1187,  
0.7208

269.4062,

 0.8593, 0.6751,

272.8725, 244.8732

0.0000

321.6981,  
326.5534, 296.4602

0.0000, 0.0000,  
0.0000

50.8435, 50.0470,  
38.4328

50.8435, 50.0470,  
38.4328

46.7280, 44.4873,  
28.8254

55.5186, 56.2048,  
49.8325

43.1448, 39.4996,  
20.9145

60.7712, 62.9719,  
63.1074

40.0701, 35.0660,  
14.5996

66.6232, 70.3679,  
78.3390

37.4762, 31.1647,  
9.7688

73.0940, 78.4093,  
95.6030

35.3325, 27.7725,  
6.2949

78.7188, 86.5187,  
107.1586

■ 33.6039, 24.8633,  
4.0290

■ 82.1289, 93.3389,  
108.2953

■ 32.2436, 22.4061,  
2.7633

■ 31.9765, 21.9141,  
2.5445

# Harmonies

## Analogous

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



53.7258, 50.0470, 44.2439



50.8435, 50.0470, 38.4328



47.2072, 50.0470, 36.7312

# Triad

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



50.8435, 50.0470, 38.4328



40.8764, 50.0470, 55.5358



51.5016, 50.0470, 73.2297

# Complementary

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



50.8435, 50.0470, 38.4328



44.7352, 49.2858, 72.1211

# 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.



47.9310, 50.0470, 77.2171



50.8435, 50.0470, 38.4328



41.9000, 50.0470, 66.2132

# Square

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



50.8435, 50.0470, 38.4328



41.5683, 50.0470, 45.8249



44.4366, 50.0470, 74.4992



54.1193, 50.0470, 64.1899



# Rectangle

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



50.8435, 50.0470, 38.4328



44.8752, 50.0470, 37.9507



44.4366, 50.0470, 74.4992



50.3667, 50.0470, 75.2543

# Sweetspot

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



50.8448, 50.0493, 38.4338



88.2587, 91.3971, 91.2843



49.6117, 42.1380, 54.8092



18.6313, 19.2308, 18.8743



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.



50.8448, 50.0493, 38.4338



70.6282, 68.2982, 47.9135



57.6141, 63.5879, 40.6903



12.8442, 13.2626, 13.0437



19.0280, 13.1731, 1.5398



1.2284, 0.9559, 0.1198

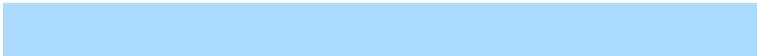


# Inverse Universe

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



44.7352, 49.2858, 72.1211



60.3870, 67.0113, 104.3595



38.8504, 37.5162, 70.1595



12.3383, 13.2000, 15.8351



11.8600, 11.9818, 40.1408



0.7962, 0.8845, 2.4481



# Previews

## White Background



This preview shows how the XYZ color 50.8435, 50.0470, 38.4328 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

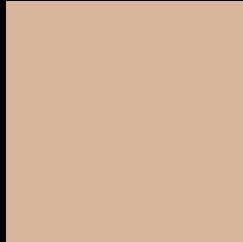
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.8435, 50.0470, 38.4328 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

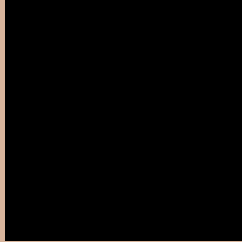
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.8435, 50.0470, 38.4328**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.8435, 50.0470, 38.4328.



This preview shows how white text looks on a background with the XYZ color 50.8435, 50.0470,

38.4328.

# 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

50.8435, 50.0470, 38.4328

### Protanopia

47.3170, 50.0496, 39.9676

### Deuteranopia

51.1399, 50.1998, 38.4466



## Tritanopia

54.3348, 49.9840, 55.4993

# Trichromacy



## Original Color

50.8435, 50.0470, 38.4328

## Protanomaly

48.6974, 50.1457, 39.4602

## Deuteranomaly

51.1399, 50.1998, 38.4466

## Tritanomaly

53.1697, 50.1152, 48.9903

# Monochromacy



## Original Color

50.8435, 50.0470, 38.4328

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

49.0479, 50.4342, 48.7447

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.8435, 50.0470, 38.4328 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(216, 181, 156)` looks like.

```
.text, #text, p{  
    color:rgb(216, 181, 156)  
}
```

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(216, 181, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 181, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 50.8435, 50.0470, 38.4328 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(216, 181, 156) }
```



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

```
.border{ border-color:rgb(216, 181, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 181, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 181, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 181, 156);  
box-shadow:4px 4px 4px 4px rgb(216, 181,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.8435, 50.0470, 38.4328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 181, 156) }
```

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

```
.background{ background-color: rgb(216,  
181, 156) }
```

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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