

# Converting Colors

XYZ(45.9062, 38.8822, 30.6331)

Have a look what the booklet for  
XYZ(45.9062, 38.8822, 30.6331)  
contains.

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# Color

**XYZ(45.9038, 38.8208,  
30.6650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF948E
RGB	223, 148, 142
RGB Percent	87%, 58%, 56%
CMY	0.1255, 0.4196, 0.4431
CMYK	0.00, 0.34, 0.36, 0.13
HSL	4°, 56%, 72%
HSV	4°, 36%, 87%
XYZ	45.9038, 38.8208, 30.6650
YIQ	169.7410, 46.6260, 14.0340

# Conversions

## Conversions Part 2

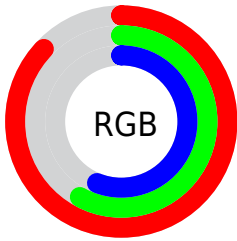
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 148, 142
Decimal	14652558
CIE Lab	68.62, 27.54, 14.80
CIE LCh	69, 31.268, 28.255
Yxy	38.8208, 0.3978, 0.3364
Android (android.graphics.Color)	4292842638 (0xFFDF948E)
YUV	169.7410, -13.6763, 46.7081
Hunter-Lab	62.3063, 22.4726, 14.4340

# Details

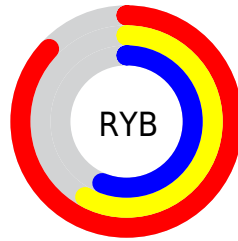
The XYZ color **45.9038, 38.8208, 30.6650** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.2864, 60.7018, 78.9309**, and the grayscale version is **38.1301, 40.1159, 43.6862**.

A 20% lighter version of the original color is **72.5597, 67.9574, 61.5173**, and **21.8405, 17.2454, 12.3028** is the 20% darker color. If you saturate the color by 10%, you get **41.4393, 32.3085, 21.7265**, and if you desaturate by 10%, it is **51.2829, 46.6261, 41.5616**.

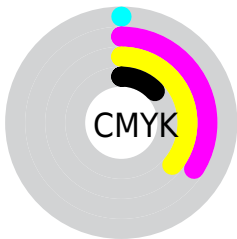
# Distribution



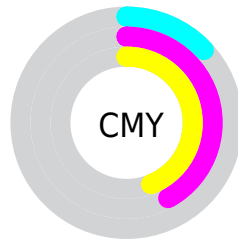
- Red (87%)
- Green (58%)
- Blue (56%)



- Red (87%)
- Yellow (58%)
- Blue (56%)



- Cyan (0%)
- Magenta (34%)
- Yellow (36%)
- Black (13%)




- Cyan (13%)
- Magenta (42%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9038, 38.8208, 30.6650 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 45.9038, 38.8208, 30.6650 by changing the saturation by 10% instead.





 45.9038, 38.8208,  
30.6650


 45.9038, 38.8208,  
30.6650


361.1442,  
341.1280, 319.2953


 32.3742, 26.6203,  
20.0876


 83.3038, 73.3645,  
61.7856

 21.8044, 17.2883,  
12.2740


 107.9048, 96.4765,  
83.1659

 13.8291, 10.4403,  
6.8058


 136.9271,  
123.9945, 108.9843

 8.0828, 5.6918,  
3.2643

170.7360,  
156.3029, 139.6591

 4.2002, 2.6586,  
1.2311

209.6968,  
193.7860, 175.6092

 1.8160, 0.9562,  
0.0043

254.1748,

 0.5273, 0.0000,

236.8283, 217.2528

0.0000

304.5355,  
285.8142, 265.0087

0.0000, 0.0000,  
0.0000

45.9038, 38.8208,  
30.6650

45.9038, 38.8208,  
30.6650

41.4393, 32.3085,  
21.7265

51.2829, 46.6261,  
41.5616

37.8356, 27.0140,  
14.6277

57.6205, 55.7830,  
54.5205

35.0379, 22.8634,  
9.2412

64.9611, 66.3532,  
69.6411

32.9839, 19.7720,  
5.4222

73.3458, 78.3932,  
87.0161

31.6019, 17.6437,  
3.0021

82.8132, 91.9562,  
106.7323

■ 30.8055, 16.3644,  
1.7705

■ 84.2414, 94.4280,  
108.3942

■ 30.6247, 16.0745,  
1.4886

# Harmonies

## Analogous

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



47.2189, 38.8208, 43.1023



45.9038, 38.8208, 30.6650



42.1193, 38.8208, 23.1143

# Triad

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



45.9038, 38.8208, 30.6650



29.4023, 38.8208, 29.5221



36.6098, 38.8208, 75.6680

# Complementary

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



45.9038, 38.8208, 30.6650



49.2864, 60.7018, 78.9309

# 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.



32.1271, 38.8208, 69.8483



45.9038, 38.8208, 30.6650



28.2026, 38.8208, 41.4470

# Square

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



45.9038, 38.8208, 30.6650



32.5856, 38.8208, 22.5653



29.1546, 38.8208, 56.4840



41.5750, 38.8208, 71.0115



# Rectangle

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



45.9038, 38.8208, 30.6650



38.8636, 38.8208, 20.8540



29.1546, 38.8208, 56.4840



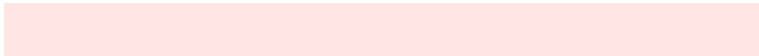
34.9999, 38.8208, 74.8507

# Sweetspot

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



45.9048, 38.8227, 30.6658



83.1257, 82.8582, 84.2489



52.7072, 40.0754, 71.0129



17.5033, 17.3189, 17.4376



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.



45.9048, 38.8227, 30.6658



57.2684, 45.4083, 31.6535



53.2759, 53.5649, 33.1228



13.7884, 13.8629, 14.2559



18.0377, 9.5132, 0.8855



1.2792, 0.7173, 0.0710



# Inverse Universe

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



49.2864, 60.7018, 78.9309



62.5067, 79.3691, 106.6331



40.2168, 42.5627, 75.9077



14.0251, 15.3893, 17.6189



20.9121, 29.2937, 45.6004



1.4758, 2.0831, 3.1695



# Previews

## White Background



This preview shows how the XYZ color 45.9038, 38.8208, 30.6650 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 45.9038, 38.8208, 30.6650 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 45.9038, 38.8208, 30.6650**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9038, 38.8208, 30.6650.



This preview shows how white text looks on a background with the XYZ color 45.9038, 38.8208,

30.6650.

# 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

45.9038, 38.8208, 30.6650

### Protanopia

37.1654, 39.0184, 35.2782

### Deuteranopia

39.7266, 38.8525, 30.2164



## Tritanopia

47.1052, 38.8394, 36.9123

# Trichromacy



## Original Color

45.9038, 38.8208, 30.6650

## Protanomaly

39.6543, 38.4862, 33.3555

## Deuteranomaly

41.8730, 38.6792, 30.4582

## Tritanomaly

46.8417, 38.9817, 34.7612

# Monochromacy



## Original Color

45.9038, 38.8208, 30.6650

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

40.2518, 39.1975, 38.7021

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9038, 38.8208, 30.6650 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(223, 148, 142)` looks like.

```
.text, #text, p{  
    color:rgb(223, 148, 142)  
}
```

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(223, 148, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 148, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9038, 38.8208, 30.6650 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(223, 148, 142) }
```



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

```
.border{ border-color:rgb(223, 148, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 148, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 148, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 148, 142);  
box-shadow:4px 4px 4px 4px rgb(223, 148,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9038, 38.8208, 30.6650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 148, 142) }
```

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

```
.background{ background-color: rgb(223,  
148, 142) }
```

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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