

# Converting Colors

XYZ(47.0211, 38.7183, 57.9081)

Have a look what the booklet for  
XYZ(47.0211, 38.7183, 57.9081)  
contains.

<b>XYZ(46.9624, 38.7663, 57.8308)</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(46.9624, 38.7663,  
57.8308)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D194C5
RGB	209, 148, 197
RGB Percent	82%, 58%, 77%
CMY	0.1804, 0.4196, 0.2274
CMYK	0.00, 0.29, 0.06, 0.18
HSL	312°, 40%, 70%
HSV	312°, 29%, 82%
XYZ	46.9624, 38.7663, 57.8308
YIQ	171.8250, 20.6270, 28.1710

# Conversions

## Conversions Part 2

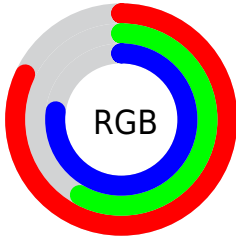
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 148, 197
Decimal	13735109
CIE Lab	68.58, 30.71, -16.14
CIE LCh	69, 34.689, 332.276
Yxy	38.7663, 0.3271, 0.2700
Android (android.graphics.Color)	4291925189 (0xFFD194C5)
YUV	171.8250, 12.4113, 32.6025
Hunter-Lab	62.2626, 25.6765, -11.4860

# Details

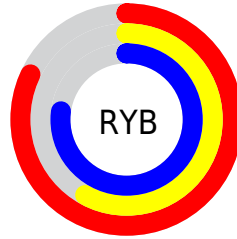
The XYZ color **46.9624, 38.7663, 57.8308** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.3599, 54.4360, 41.5872**, and the grayscale version is **39.0572, 41.0912, 44.7483**.

A 20% lighter version of the original color is **80.4853, 71.1276, 103.2529**, and **22.4672, 17.2189, 28.1260** is the 20% darker color. If you saturate the color by 10%, you get **43.5110, 32.6066, 54.3877**, and if you desaturate by 10%, it is **51.0209, 46.1184, 61.5405**.

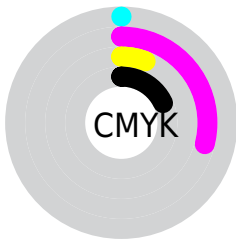
# Distribution



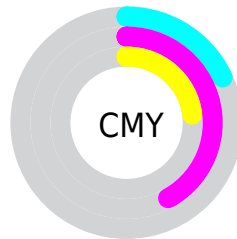
- Red (82%)
- Green (58%)
- Blue (77%)



- Red (82%)
- Yellow (58%)
- Blue (77%)



- Cyan (0%)
- Magenta (29%)
- Yellow (6%)
- Black (18%)




- Cyan (18%)
- Magenta (42%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9624, 38.7663, 57.8308 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 46.9624, 38.7663, 57.8308 by changing the saturation by 10% instead.





 46.9624, 38.7663,  
57.8308

 46.9624, 38.7663,  
57.8308


365.3158,  
340.8959, 434.1358

 33.2138, 26.5780,  
41.2588

 84.8766, 73.2812,  
103.1888

 22.4503, 17.2565,  
28.2002


 109.7728, 96.3765,  
132.8118

 14.3066, 10.4176,  
18.2362

139.1156,  
123.8763, 167.6224

 8.4173, 5.6767,  
10.9485

173.2704,  
156.1649, 208.0389

 4.4172, 2.6495,  
5.9185

212.6024,  
193.6268, 254.4800

 1.9407, 0.9516,  
2.7276

257.4771,

 0.6003, 0.0000,

236.6463, 307.3641

0.9573

308.2598,  
285.6079, 367.1099

■ 0.0000, 0.0000,  
0.0000

■ 46.9624, 38.7663,  
57.8308

■ 46.9624, 38.7663,  
57.8308

■ 43.5110, 32.6066,  
54.3877

■ 51.0209, 46.1184,  
61.5405

■ 40.6311, 27.5702,  
51.1976

■ 55.7126, 54.7166,  
65.5248

■ 38.2890, 23.5892,  
48.2492

■ 61.0661, 64.6177,  
69.7940

■ 36.4458, 20.5859,  
45.5290

■ 67.1076, 75.8735,  
74.3575

■ 35.0574, 18.4722,  
43.0218

■ 73.8614, 88.5330,  
79.2237

■ 34.0715, 17.1439,  
40.7096

■ 75.1956, 90.3318,  
82.3492

■ 33.4015, 16.4278,  
38.5631

■ 75.7525, 90.5545,  
85.2819

■ 33.3518, 16.3783,  
38.3923

■ 76.3230, 90.7827,  
88.2858

■ 76.9070, 91.0164,  
91.3615

# Harmonies

## Analogous

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



42.7527, 38.7663, 73.1424



46.9624, 38.7663, 57.8308



48.3862, 38.7663, 41.0251

# Triad

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



46.9624, 38.7663, 57.8308



36.4302, 38.7663, 18.6992



28.6500, 38.7663, 60.4241

# Complementary

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



46.9624, 38.7663, 57.8308



41.3599, 54.4360, 41.5872

# 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.



27.3045, 38.7663, 43.4173



46.9624, 38.7663, 57.8308



31.5105, 38.7663, 21.5212

# Square

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



46.9624, 38.7663, 57.8308



41.9589, 38.7663, 20.7668



28.2983, 38.7663, 29.6904



32.1667, 38.7663, 74.8815



# Rectangle

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



46.9624, 38.7663, 57.8308



47.4609, 38.7663, 31.7906



28.2983, 38.7663, 29.6904



27.9454, 38.7663, 54.6883

# Sweetspot

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



46.9636, 38.7680, 57.8316



87.4422, 85.9340, 102.8199



36.4347, 33.1749, 64.8053



18.4704, 17.9411, 21.8048



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.



46.9636, 38.7680, 57.8316



70.1815, 54.5819, 87.2957



43.8901, 37.5387, 41.6471



12.2069, 11.9675, 14.3656



20.5989, 10.1124, 23.8579



1.1778, 0.5759, 1.4713



# Inverse Universe

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



46.9636, 38.7680, 57.8316



70.1815, 54.5819, 87.2957



44.2742, 55.6017, 56.9339



12.2069, 11.9675, 14.3656



20.5989, 10.1124, 23.8579

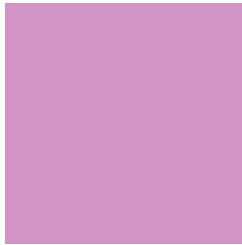


1.1778, 0.5759, 1.4713



# Previews

## White Background



This preview shows how the XYZ color 46.9624, 38.7663, 57.8308 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

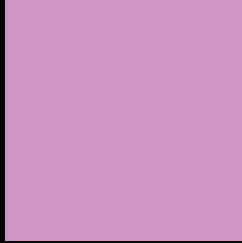
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.9624, 38.7663, 57.8308 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 46.9624, 38.7663, 57.8308**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.9624, 38.7663, 57.8308.



This preview shows how white text looks on a background with the XYZ color 46.9624, 38.7663,



# 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

46.9624, 38.7663, 57.8308

### Protanopia

39.0495, 39.0440, 65.7997

### Deuteranopia

39.6294, 38.7474, 56.4292



## Tritanopia

43.6154, 38.8435, 41.2752

# Trichromacy



## Original Color

46.9624, 38.7663, 57.8308

## Protanomaly

41.3221, 38.4342, 62.9982

## Deuteranomaly

42.0848, 38.7081, 56.8831

## Tritanomaly

44.6176, 38.7526, 46.7234

# Monochromacy



## Original Color

46.9624, 38.7663, 57.8308

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

41.4453, 39.8449, 49.2225

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.9624, 38.7663, 57.8308 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(209, 148, 197)` looks like.

```
.text, #text, p{  
    color:rgb(209, 148, 197)  
}
```

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(209, 148, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 148, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 46.9624, 38.7663, 57.8308 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(209, 148, 197) }
```



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

```
.border{ border-color:rgb(209, 148, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 148, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 148, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 148, 197);  
box-shadow:4px 4px 4px 4px rgb(209, 148,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.9624, 38.7663, 57.8308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 148, 197) }
```

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

```
.background{ background-color: rgb(209,  
148, 197) }
```

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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