

# Converting Colors

XYZ(48.7058, 38.8067, 56.5451)

Have a look what the booklet for  
XYZ(48.7058, 38.8067, 56.5451)  
contains.

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# Color

**XYZ(48.7370, 38.7921,  
56.5487)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA90C3
RGB	218, 144, 195
RGB Percent	85%, 56%, 76%
CMY	0.1451, 0.4353, 0.2353
CMYK	0.00, 0.34, 0.11, 0.15
HSL	319°, 50%, 71%
HSV	319°, 34%, 85%
XYZ	48.7370, 38.7921, 56.5487
YIQ	171.9400, 27.7330, 31.5490

# Conversions

## Conversions Part 2

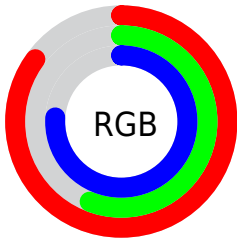
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 144, 195
Decimal	14323907
CIE <sub>Lab</sub>	68.60, 35.54, -14.90
CIE <sub>LCh</sub>	69, 38.539, 337.257
Yxy	38.7921, 0.3383, 0.2692
Android (android.graphics.Color)	4292513987 (0xFFDA90C3)
YUV	171.9400, 11.3686, 40.3946
Hunter-Lab	62.2833, 30.6814, -10.2327

# Details

The XYZ color **48.7370, 38.7921, 56.5487** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.5497, 58.8632, 45.6282**, and the grayscale version is **39.1179, 41.1551, 44.8179**.

A 20% lighter version of the original color is **79.2341, 69.1351, 101.2638**, and **23.5352, 17.2588, 27.2901** is the 20% darker color. If you saturate the color by 10%, you get **44.9998, 32.5156, 51.6085**, and if you desaturate by 10%, it is **53.1488, 46.3610, 61.8861**.

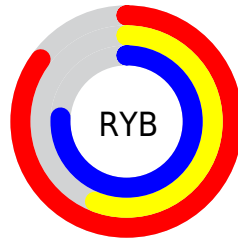
# Distribution



Red (85%)

Green (56%)

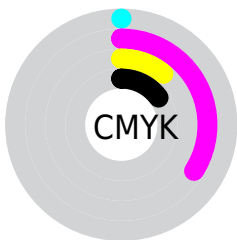
Blue (76%)



Red (85%)

Yellow (56%)

Blue (76%)

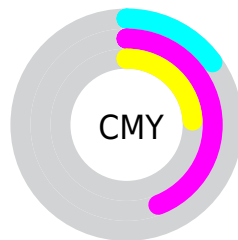


Cyan (0%)

Magenta (34%)

Yellow (11%)

Black (15%)



Cyan (15%)

Magenta (44%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7370, 38.7921, 56.5487 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 48.7370, 38.7921, 56.5487 by changing the saturation by 10% instead.





 48.7370, 38.7921,  
56.5487


 48.7370, 38.7921,  
56.5487


372.2402,  
341.0058, 429.2023

 34.6246, 26.5980,  
40.2361


 87.5038, 73.3206,  
101.3002

 23.5390, 17.2716,  
27.4075


 112.8889, 96.4238,  
130.5761

 15.1149, 10.4283,  
17.6443


142.7622,  
123.9323, 165.0102

 8.9869, 5.6838,  
10.5282

177.4891,  
156.2302, 205.0210

 4.7897, 2.6538,  
5.6404

217.4351,  
193.7022, 251.0271

 2.1579, 0.9538,  
2.5624

262.9653,

 0.7204, 0.0000,

236.7325, 303.4470

0.8730

314.4452,  
285.7056, 362.6992

■ 0.0000, 0.0000,  
0.0000

■ 48.7370, 38.7921,  
56.5487

■ 48.7370, 38.7921,  
56.5487

■ 44.9998, 32.5156,  
51.6085

■ 53.1488, 46.3610,  
61.8861

■ 41.8964, 27.4525,  
47.0486

■ 58.2661, 55.2850,  
67.6320

■ 39.3870, 23.5230,  
42.8536


■ 64.1219, 65.6290,  
73.8000


■ 37.4254, 20.6359,  
39.0059


■ 70.7461, 77.4522,  
80.4022


■ 35.9585, 18.6854,  
35.4854


■ 78.1670, 90.8103,  
87.4501


 34.9217, 17.5432,  
32.2681

 79.7642, 92.4618,  
92.7390

 34.4380, 17.1153,  
30.4441

 80.7659, 92.8624,  
98.0135

 81.8052, 93.2782,  
103.4868

 82.7237, 93.6455,  
108.3231

# Harmonies

## Analogous

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



44.4103, 38.7921, 74.8827



48.7370, 38.7921, 56.5487



49.7256, 38.7921, 38.1486

# Triad

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



48.7370, 38.7921, 56.5487



35.4137, 38.7921, 16.9705



28.3268, 38.7921, 65.9212

# Complementary

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



48.7370, 38.7921, 56.5487



43.5497, 58.8632, 45.6282

# 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.



26.4474, 38.7921, 46.6097



48.7370, 38.7921, 56.5487



30.2368, 38.7921, 20.8013

# Square

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



48.7370, 38.7921, 56.5487



41.5774, 38.7921, 18.2739



27.1061, 38.7921, 30.5716



32.5334, 38.7921, 81.2498



# Rectangle

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



48.7370, 38.7921, 56.5487



48.2699, 38.7921, 28.6855



27.1061, 38.7921, 30.5716



27.4243, 38.7921, 59.5013

# Sweetspot

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



48.7382, 38.7939, 56.5495



86.1978, 84.2957, 99.7831



38.3977, 33.1392, 70.7029



18.2025, 17.6067, 21.0941



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.



48.7382, 38.7939, 56.5495



65.4706, 48.5175, 75.3754



45.1288, 37.3501, 37.5427



13.4331, 13.2023, 15.5420



20.6822, 10.2739, 18.5044



1.3780, 0.6808, 1.3993



# Inverse Universe

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



48.7382, 38.7939, 56.5495



65.4706, 48.5175, 75.3754



47.3777, 60.3944, 65.7862



13.4331, 13.2023, 15.5420



20.6822, 10.2739, 18.5044

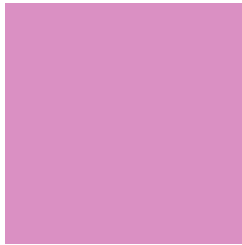


1.3780, 0.6808, 1.3993



# Previews

## White Background



This preview shows how the XYZ color 48.7370, 38.7921, 56.5487 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

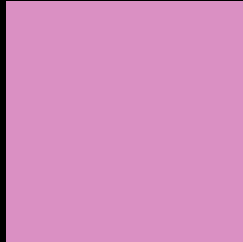
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.7370, 38.7921, 56.5487 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

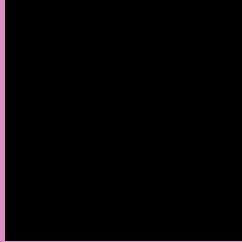
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.7370, 38.7921, 56.5487**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.7370, 38.7921, 56.5487.



This preview shows how white text looks on a background with the XYZ color 48.7370, 38.7921,



# 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

48.7370, 38.7921, 56.5487

### Protanopia

39.1737, 39.0937, 66.4539

### Deuteranopia

39.7347, 38.8402, 54.6929



## Tritanopia

45.1595, 38.7175, 39.2755

# Trichromacy



## Original Color

48.7370, 38.7921, 56.5487



## Protanomaly

41.8367, 38.4452, 62.9732



## Deuteranomaly

42.3892, 38.4015, 55.0473



## Tritanomaly

46.2542, 38.6829, 45.0731

# Monochromacy



## Original Color

48.7370, 38.7921, 56.5487



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

42.1448, 39.9548, 48.6708

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.7370, 38.7921, 56.5487 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(218, 144, 195)` looks like.

```
.text, #text, p{  
    color:rgb(218, 144, 195)  
}
```

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(218, 144, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 144, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 48.7370, 38.7921, 56.5487 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".

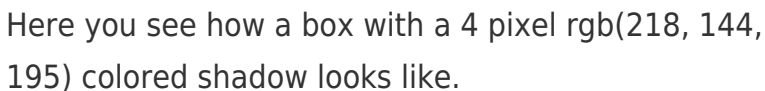
```
.border, #border, table{ border:4px solid rgb(218, 144, 195) }
```



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

```
.border{ border-color:rgb(218, 144, 195) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 144, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 144, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 144, 195); box-shadow:4px 4px 4px 4px rgb(218, 144, 195) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.7370, 38.7921, 56.5487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 144, 195) }
```

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

```
.background{ background-color: rgb(218,  
144, 195) }
```

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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