

Converting Colors

XYZ(47.7300, 38.8664, 68.8242)

Have a look what the booklet for
XYZ(47.7300, 38.8664, 68.8242)
contains.

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Color

**XYZ(47.6293, 38.8722,
68.6111)**

Conversions

Conversions Part 1

Format	Color
Hex	CC94D6
RGB	204, 148, 214
RGB Percent	80%, 58%, 84%
CMY	0.2000, 0.4196, 0.1608
CMYK	0.05, 0.31, 0.00, 0.16
HSL	291°, 45%, 71%
HSV	291°, 31%, 84%
XYZ	47.6293, 38.8722, 68.6111
YIQ	172.2680, 12.1900, 32.3980

Conversions

Conversions Part 2

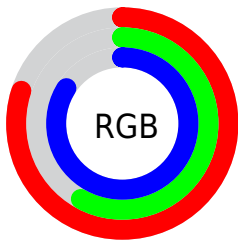
Format	Color
R_{YB}	204, 148, 214
Decimal	13407446
CIE _{Lab}	68.66, 32.24, -25.50
CIE _{LCh}	69, 41.104, 321.653
Yxy	38.8722, 0.3071, 0.2506
Android (android.graphics.Color)	4291597526 (0xFFCC94D6)
YUV	172.2680, 20.5739, 27.8290
Hunter-Lab	62.3476, 27.2536, -21.6031

Details

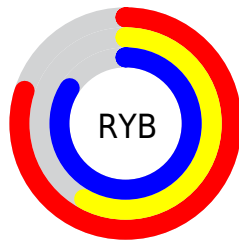
The XYZ color **47.6293, 38.8722, 68.6111** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.4938, 57.5014, 36.8254**, and the grayscale version is **39.2441, 41.2879, 44.9625**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **22.8353, 17.2585, 34.9286** is the 20% darker color. If you saturate the color by 10%, you get **43.6987, 32.3160, 67.5534**, and if you desaturate by 10%, it is **52.2014, 46.6824, 69.8782**.

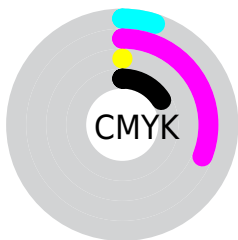
Distribution



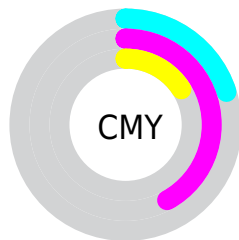
- Red (80%)
- Green (58%)
- Blue (84%)



- Red (80%)
- Yellow (58%)
- Blue (84%)



- Cyan (5%)
- Magenta (31%)
- Yellow (0%)
- Black (16%)





- Cyan (20%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6293, 38.8722, 68.6111 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 47.6293, 38.8722, 68.6111 by changing the saturation by 10% instead.

 47.6293, 38.8722,
68.6111


 47.6293, 38.8722,
68.6111


367.9280,
341.3468, 474.3149

 33.7434, 26.6603,
49.9253


 85.8653, 73.4430,
118.8884

 22.8585, 17.3183,
34.9833


 110.9461, 96.5708,
151.3170

 14.6092, 10.4617,
23.3665

140.4892,
124.1060, 189.1635

 8.6301, 5.7061,
14.6565

174.8601,
156.4329, 232.8466

 4.5559, 2.6672,
8.4348

214.4241,
193.9361, 282.7847

 2.0212, 0.9606,
4.2826

259.5465,

 0.6458, 0.0000,

236.9999, 339.3964

1.7816

310.5927,
286.0087, 403.1003

■ 0.0000, 0.0000,
0.4158

■ 0.0000, 0.0000,
0.0000

■ 47.6293, 38.8722,
68.6111

■ 47.6293, 38.8722,
68.6111

■ 43.6987, 32.3160,
67.5534

■ 52.2014, 46.6824,
69.8782

■ 40.3716, 26.9401,
66.6911

■ 57.4430, 55.8047,
71.3627

■ 37.6114, 22.6710,
66.0125

■ 63.3849, 66.2999,
73.0753

■ 35.3762, 19.4249,
65.5038

■ 70.0549, 78.2233,
75.0253

■ 33.6179, 17.1058,
65.1488

■ 77.4776, 91.6241,
77.2206

■ 32.2793, 15.5995,
64.9286

■ 78.4699, 92.1356,
77.2671

■ 31.3292, 14.7487,
64.8145

■ 79.4813, 92.6570,
77.3144

■ 80.5119, 93.1883,
77.3626

■ 81.5619, 93.7296,
77.4118

Harmonies

Analogous

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



41.7480, 38.8722, 85.0163



47.6293, 38.8722, 68.6111



50.7279, 38.8722, 47.7308

Triad

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



47.6293, 38.8722, 68.6111



38.7890, 38.8722, 15.8886



26.5151, 38.8722, 56.9378

Complementary

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



47.6293, 38.8722, 68.6111



43.4938, 57.5014, 36.8254

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.



25.9193, 38.8722, 37.3440



47.6293, 38.8722, 68.6111



32.5287, 38.8722, 17.0309

Square

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



47.6293, 38.8722, 68.6111



45.2469, 38.8722, 20.0195



27.9945, 38.8722, 23.7911



29.7295, 38.8722, 77.0181

Rectangle

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



47.6293, 38.8722, 68.6111



50.5735, 38.8722, 35.5056



27.9945, 38.8722, 23.7911



26.0183, 38.8722, 49.9665

Sweetspot

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



47.6306, 38.8739, 68.6119



86.8929, 85.5678, 106.5442



36.7501, 35.9490, 68.6209



18.3340, 17.8502, 22.7291



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.



47.6306, 38.8739, 68.6119



66.9086, 51.2364, 100.9709



47.8371, 39.2834, 54.9316



12.7596, 12.5330, 15.6841



19.0070, 8.9510, 39.1791



1.1976, 0.5663, 2.3655

Inverse Universe

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



44.4943, 37.9463, 37.3288



61.6563, 49.7206, 46.8768



43.5164, 57.2923, 46.7968



12.4992, 12.4512, 13.3030



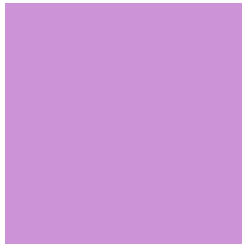
16.9471, 8.7152, 1.7596



1.0470, 0.5356, 0.2368

Previews

White Background



This preview shows how the XYZ color 47.6293, 38.8722, 68.6111 looks on a white background.

Color Contrast Check

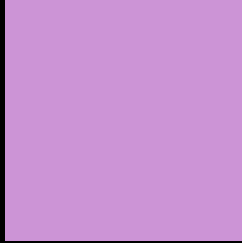
Large Text (above 18pt) WCAG AA × Fail

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 47.6293, 38.8722, 68.6111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

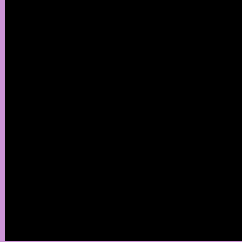
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6293, 38.8722, 68.6111

Background



This preview shows how black text looks on a background with the XYZ color 47.6293, 38.8722, 68.6111.



This preview shows how white text looks on a background with the XYZ color 47.6293, 38.8722,

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

47.6293, 38.8722, 68.6111

Protanopia

40.0790, 39.3025, 78.1468

Deuteranopia

39.9336, 38.9354, 67.0386



Tritanopia

42.5071, 38.9843, 42.8205

Trichromacy



Original Color

47.6293, 38.8722, 68.6111



Protanomaly

42.1605, 38.6162, 74.3388



Deuteranomaly

42.2420, 38.5543, 67.5027



Tritanomaly

44.1320, 38.8933, 51.0801

Monochromacy



Original Color

47.6293, 38.8722, 68.6111



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

41.8340, 39.9726, 52.5243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6293, 38.8722, 68.6111 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(204, 148, 214)` looks like.

```
.text, #text, p{  
    color:rgb(204, 148, 214)  
}
```

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(204, 148, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 148, 214) }
```

Border

The CSS property to change the border of an element to XYZ 47.6293, 38.8722, 68.6111 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(204, 148, 214) }
```


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

```
.border{ border-color:rgb(204, 148, 214) }
```

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

Here you see how a box with a 4 pixel rgb(204, 148, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 148, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 148, 214);  
box-shadow:4px 4px 4px 4px rgb(204, 148,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6293, 38.8722, 68.6111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 148, 214) }
```

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

```
.background{ background-color: rgb(204,  
148, 214) }
```

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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