

Converting Colors

XYZ(48.0710, 38.5980, 68.7091)

Have a look what the booklet for
XYZ(48.0710, 38.5980, 68.7091)
contains.

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Color

**XYZ(48.1486, 38.6782,
68.5463)**

Conversions

Conversions Part 1

Format	Color
Hex	CF92D6
RGB	207, 146, 214
RGB Percent	81%, 57%, 84%
CMY	0.1882, 0.4274, 0.1608
CMYK	0.03, 0.32, 0.00, 0.16
HSL	294°, 45%, 71%
HSV	294°, 32%, 84%
XYZ	48.1486, 38.6782, 68.5463
YIQ	171.9910, 14.5280, 34.0800

Conversions

Conversions Part 2

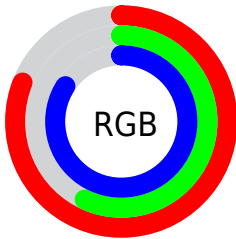
Format	Color
R _Y B	207, 146, 214
Decimal	13603542
CIE Lab	68.52, 34.28, -25.69
CIE LCh	69, 42.841, 323.153
Yxy	38.6782, 0.3099, 0.2489
Android (android.graphics.Color)	4291793622 (0xFFCF92D6)
YUV	171.9910, 20.7104, 30.7029
Hunter-Lab	62.1918, 29.3582, -21.8137

Details

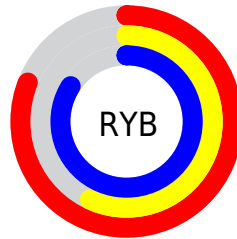
The XYZ color **48.1486, 38.6782, 68.5463** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.3731, 56.9418, 35.9536**, and the grayscale version is **39.1026, 41.1390, 44.8004**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **23.2096, 17.1840, 34.8945** is the 20% darker color. If you saturate the color by 10%, you get **44.5427, 32.3729, 67.5199**, and if you desaturate by 10%, it is **52.3830, 46.2262, 69.7806**.

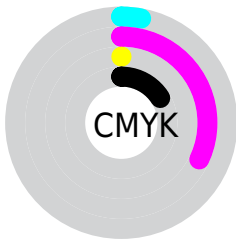
Distribution



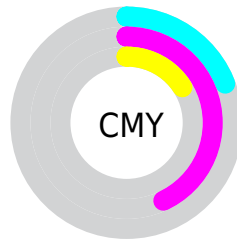
- Red (81%)
- Green (57%)
- Blue (84%)



- Red (81%)
- Yellow (57%)
- Blue (84%)



- Cyan (3%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)




- Cyan (19%)
- Magenta (43%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1486, 38.6782, 68.5463 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 48.1486, 38.6782, 68.5463 by changing the saturation by 10% instead.


 48.1486, 38.6782,
68.5463


 48.1486, 38.6782,
68.5463


369.9536,
340.5204, 474.0797

 34.1563, 26.5095,
49.8728


 86.6340, 73.1465,
118.7949

 23.1772, 17.2052,
34.9419


 111.8578, 96.2148,
151.2072

 14.8458, 10.3809,
23.3349


141.5561,
123.6851, 189.0361

 8.7968, 5.6522,
14.6334

176.0944,
155.9418, 232.7002

 4.6650, 2.6348,
8.4187

215.8379,
193.3693, 282.6181

 2.0848, 0.9442,
4.2725

261.1521,

 0.6809, 0.0000,

236.3520, 339.2083

1.7760

312.4022,
285.2742, 402.8893

■ 0.0000, 0.0000,
0.4120

■ 0.0000, 0.0000,
0.0000

■ 48.1486, 38.6782,
68.5463

■ 48.1486, 38.6782,
68.5463

■ 44.5427, 32.3729,
67.5199

■ 52.3830, 46.2262,
69.7806

■ 41.5269, 27.2361,
66.6873

■ 57.2741, 55.0755,
71.2309

■ 39.0647, 23.1937,
66.0368

■ 62.8528, 65.2870,
72.9079

■ 37.1136, 20.1609,
65.5543

■ 69.1469, 76.9166,
74.8209

■ 35.6249, 18.0404,
65.2234

■ 76.1828, 90.0167,
76.9786

■ 34.5404, 16.7158,
65.0249

■ 77.4792, 91.6249,
77.2207

■ 33.8688, 16.0579,
64.9333

■ 78.1513, 91.9714,
77.2522

■ 78.8321, 92.3224,
77.2840

■ 79.5219, 92.6779,
77.3163

Harmonies

Analogous

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



42.1014, 38.6782, 86.3300



48.1486, 38.6782, 68.5463



51.2016, 38.6782, 46.6992

Triad

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



48.1486, 38.6782, 68.5463



38.3305, 38.6782, 14.9525



26.0804, 38.6782, 58.4718

Complementary

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



48.1486, 38.6782, 68.5463



42.3731, 56.9418, 35.9536

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.



25.3304, 38.6782, 37.8391



48.1486, 38.6782, 68.5463



31.8951, 38.6782, 16.3618

Square

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



48.1486, 38.6782, 68.5463



45.1015, 38.6782, 18.8346



27.3298, 38.6782, 23.5358



29.5205, 38.6782, 79.3795

Rectangle

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



48.1486, 38.6782, 68.5463



50.8932, 38.6782, 34.2146



27.3298, 38.6782, 23.5358



25.5241, 38.6782, 51.1442

Sweetspot

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



48.1498, 38.6799, 68.5471



86.4887, 84.3013, 106.3211



35.5379, 34.0571, 68.3196



18.2728, 17.6078, 22.6855



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.



48.1498, 38.6799, 68.5471



67.9589, 51.1249, 100.8940



47.0816, 38.4835, 52.4872



12.8212, 12.5648, 15.6870



20.5230, 9.7325, 39.2500



1.2749, 0.6061, 2.3691

Inverse Universe

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



43.7615, 37.1555, 35.0040



60.5588, 48.5778, 43.2670



43.3548, 57.1863, 47.8179



12.4747, 12.4414, 13.1740



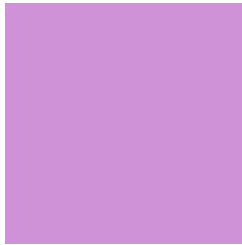
16.8678, 8.6834, 1.3418



1.0354, 0.5310, 0.1761

Previews

White Background



This preview shows how the XYZ color 48.1486, 38.6782, 68.5463 looks on a white background.

Color Contrast Check

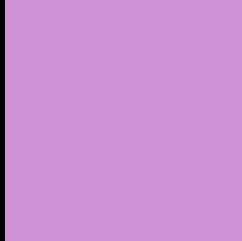
Large Text (above 18pt) WCAG AA × Fail

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 48.1486, 38.6782, 68.5463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

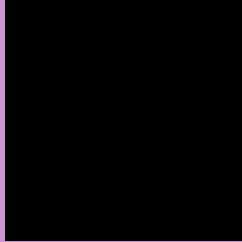
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1486, 38.6782, 68.5463

Background



This preview shows how black text looks on a background with the XYZ color 48.1486, 38.6782, 68.5463.



This preview shows how white text looks on a background with the XYZ color 48.1486, 38.6782,

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

48.1486, 38.6782, 68.5463

Protanopia

39.8532, 38.9013, 78.8070

Deuteranopia

39.7313, 38.8311, 67.0291



Tritanopia

42.5158, 38.5121, 41.7520

Trichromacy



Original Color

48.1486, 38.6782, 68.5463



Protanomaly

42.1237, 38.3275, 74.9898



Deuteranomaly

42.3007, 38.3324, 67.4568



Tritanomaly

44.5086, 38.6137, 50.4547

Monochromacy



Original Color

48.1486, 38.6782, 68.5463



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

42.0744, 40.0965, 52.5356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1486, 38.6782, 68.5463 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(207, 146, 214)` looks like.

```
.text, #text, p{  
    color:rgb(207, 146, 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(207, 146, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 146, 214) }
```

Border

The CSS property to change the border of an element to XYZ 48.1486, 38.6782, 68.5463 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(207, 146, 214) }
```


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

```
.border{ border-color:rgb(207, 146, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 146, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 146, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 146, 214);  
box-shadow:4px 4px 4px 4px rgb(207, 146,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1486, 38.6782, 68.5463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 146, 214) }
```

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

```
.background{ background-color: rgb(207,  
146, 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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