

Converting Colors

XYZ(48.1709, 37.9720, 68.8781)

Have a look what the booklet for
XYZ(48.1709, 37.9720, 68.8781)
contains.

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Color

**XYZ(48.1006, 37.9611,
69.0820)**

Conversions

Conversions Part 1

Format	Color
Hex	D08FD7
RGB	208, 143, 215
RGB Percent	82%, 56%, 84%
CMY	0.1843, 0.4392, 0.1569
CMYK	0.03, 0.33, 0.00, 0.16
HSL	294°, 47%, 70%
HSV	294°, 33%, 84%
XYZ	48.1006, 37.9611, 69.0820
YIQ	170.6430, 15.6280, 36.1720

Conversions

Conversions Part 2

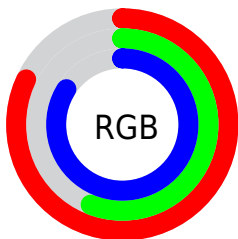
Format	Color
RYB	208, 143, 215
Decimal	13668311
CIELab	67.99, 36.42, -27.04
CIELCh	68, 45.359, 323.403
Yxy	37.9611, 0.3100, 0.2447
Android (android.graphics.Color)	4291858391 (0xFFD08FD7)
YUV	170.6430, 21.8680, 32.7621
Hunter-Lab	61.6126, 31.5319, -23.3490

Details

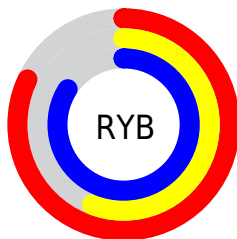
The XYZ color **48.1006, 37.9611, 69.0820** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.8373, 57.0690, 34.7988**, and the grayscale version is **38.4192, 40.4200, 44.0174**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **23.0351, 16.6956, 35.2662** is the 20% darker color. If you saturate the color by 10%, you get **44.5937, 31.8131, 68.0807**, and if you desaturate by 10%, it is **52.2363, 45.3534, 70.2914**.

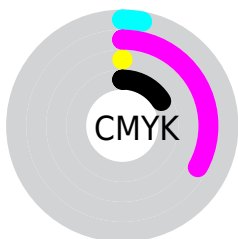
Distribution



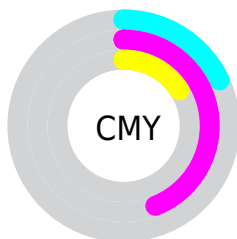
- Red (82%)
- Green (56%)
- Blue (84%)



- Red (82%)
- Yellow (56%)
- Blue (84%)



- Cyan (3%)
- Magenta (33%)
- Yellow (0%)
- Black (16%)





- Cyan (18%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1006, 37.9611, 69.0820 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 48.1006, 37.9611, 69.0820 by changing the saturation by 10% instead.


 48.1006, 37.9611,
69.0820


 48.1006, 37.9611,
69.0820


369.7667,
337.4531, 476.0219

 34.1181, 25.9525,
50.3063


 86.5630, 72.0485,
119.5675

 23.1477, 16.7881,
35.2840


 111.7736, 94.8961,
152.1144

 14.8239, 10.0835,
23.5964


141.4576,
122.1255, 190.0888

 8.7814, 5.4544,
14.8251

175.9804,
154.1211, 233.9092

 4.6548, 2.5162,
8.5515

215.7074,
191.2672, 283.9942

 2.0789, 0.8848,
4.3570

261.0039,

 0.6777, 0.0000,

233.9483, 340.7622

1.8232

312.2352,
282.5488, 404.6320

■ 0.0000, 0.0000,
0.4432

■ 0.0000, 0.0000,
0.0000

■ 48.1006, 37.9611,
69.0820

■ 48.1006, 37.9611,
69.0820

■ 44.5937, 31.8131,
68.0807

■ 52.2363, 45.3534,
70.2914

■ 41.6763, 26.8336,
67.2733

■ 57.0296, 54.0502,
71.7175

■ 39.3106, 22.9461,
66.6477

■ 62.5122, 64.1141,
73.3710

■ 37.4527, 20.0630,
66.1891

■ 68.7126, 75.6019,
75.2616

■ 36.0522, 18.0831,
65.8807

■ 75.6575, 88.5671,
77.3981

■ 35.0477, 16.8840,
65.7022

■ 77.7056, 91.7268,
77.9000

■ 34.5394, 16.3888,
65.6334

■ 78.3443, 92.0561,
77.9299

■ 78.9909, 92.3894,
77.9602

■ 79.6455, 92.7269,
77.9908

Harmonies

Analogous

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



41.7399, 37.9611, 88.2054



48.1006, 37.9611, 69.0820



51.2989, 37.9611, 45.9581

Triad

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



48.1006, 37.9611, 69.0820



37.6616, 37.9611, 13.5107



25.0111, 37.9611, 58.7585

Complementary

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



48.1006, 37.9611, 69.0820



41.8373, 57.0690, 34.7988

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.



24.2162, 37.9611, 37.0295



48.1006, 37.9611, 69.0820



30.9580, 37.9611, 14.9533

Square

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



48.1006, 37.9611, 69.0820



44.7851, 37.9611, 17.3353



26.2515, 37.9611, 22.2325



28.5845, 37.9611, 81.0136

Rectangle

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



48.1006, 37.9611, 69.0820



50.9463, 37.9611, 32.9684



26.2515, 37.9611, 22.2325



24.4312, 37.9611, 51.0052

Sweetspot

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



48.1018, 37.9628, 69.0828



86.5417, 84.3286, 106.3235



34.5333, 32.6243, 68.7675



18.2857, 17.6145, 22.6861



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.



48.1018, 37.9628, 69.0828



67.1267, 49.4300, 100.6107



46.7322, 37.6473, 51.3708



12.8285, 12.5685, 15.6873



20.7086, 9.8282, 39.2587



1.2843, 0.6110, 2.3695

Inverse Universe

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



43.3531, 36.2956, 33.5766



59.2346, 46.6838, 40.4999



43.0566, 57.4123, 47.7430



12.4718, 12.4402, 13.1588



16.8601, 8.6804, 1.3013



1.0341, 0.5304, 0.1689

Previews

White Background



This preview shows how the XYZ color 48.1006, 37.9611, 69.0820 looks on a white background.

Color Contrast Check

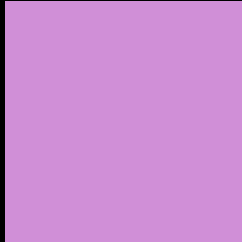
Large Text (above 18pt) WCAG AA × Fail

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 48.1006, 37.9611, 69.0820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

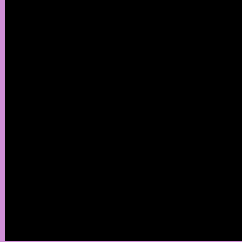
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1006, 37.9611, 69.0820

Background



This preview shows how black text looks on a background with the XYZ color 48.1006, 37.9611, 69.0820.



This preview shows how white text looks on a background with the XYZ color 48.1006, 37.9611,

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

48.1006, 37.9611, 69.0820

Protanopia

39.5533, 38.4314, 80.9346

Deuteranopia

38.9556, 38.1666, 66.9417



Tritanopia

42.2702, 37.9166, 40.6881

Trichromacy



Original Color

48.1006, 37.9611, 69.0820



Protanomaly

41.8413, 37.6482, 76.2957



Deuteranomaly

41.6766, 37.7605, 67.3793



Tritanomaly

44.1965, 37.7512, 49.7570

Monochromacy



Original Color

48.1006, 37.9611, 69.0820



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

41.4817, 39.2679, 52.4069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1006, 37.9611, 69.0820 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(208, 143, 215)` looks like.

```
.text, #text, p{  
    color:rgb(208, 143, 215)  
}
```

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(208, 143, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 143, 215) }
```

Border

The CSS property to change the border of an element to XYZ 48.1006, 37.9611, 69.0820 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(208, 143, 215) }
```


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

```
.border{ border-color:rgb(208, 143, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 143, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 143, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 143, 215);  
box-shadow:4px 4px 4px 4px rgb(208, 143,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1006, 37.9611, 69.0820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 143, 215) }
```

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

```
.background{ background-color: rgb(208,  
143, 215) }
```

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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