

Converting Colors

XYZ(48.1575, 35.0588, 68.0379)

Have a look what the booklet for
XYZ(48.1575, 35.0588, 68.0379)
contains.

XYZ(48.0122, 35.0026, 67.8440)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.0122, 35.0026,
67.8440)**

Conversions

Conversions Part 1

Format	Color
Hex	D781D6
RGB	215, 129, 214
RGB Percent	84%, 51%, 84%
CMY	0.1569, 0.4941, 0.1608
CMYK	0.00, 0.40, 0.00, 0.16
HSL	301°, 52%, 67%
HSV	301°, 40%, 84%
XYZ	48.0122, 35.0026, 67.8440
YIQ	164.4040, 23.9710, 44.6670

Conversions

Conversions Part 2

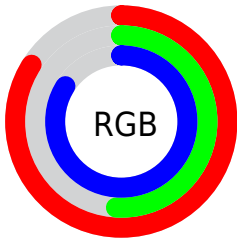
Format	Color
R _Y B	215, 129, 214
Decimal	14123478
CIE Lab	65.75, 45.83, -29.87
CIE LCh	66, 54.709, 326.903
Yxy	35.0026, 0.3183, 0.2320
Android (android.graphics.Color)	4292313558 (0xFFD781D6)
YUV	164.4040, 24.4508, 44.3727
Hunter-Lab	59.1630, 41.3218, -26.5755

Details

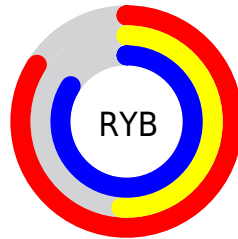
The XYZ color **48.0122, 35.0026, 67.8440** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **37.3844, 54.8810, 29.7438**, and the grayscale version is **35.3591, 37.2006, 40.5114**.

A 20% lighter version of the original color is **76.4305, 62.7610, 102.6935**, and **23.2100, 15.1819, 34.5080** is the 20% darker color. If you saturate the color by 10%, you get **45.4410, 29.9105, 66.8297**, and if you desaturate by 10%, it is **51.1816, 41.2894, 69.0586**.

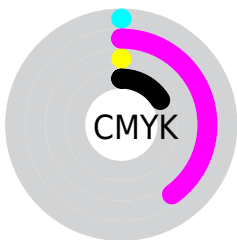
Distribution



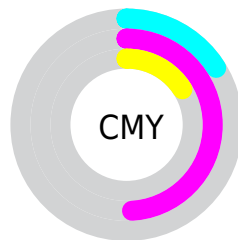
- Red (84%)
- Green (51%)
- Blue (84%)



- Red (84%)
- Yellow (51%)
- Blue (84%)



- Cyan (0%)
- Magenta (40%)
- Yellow (0%)
- Black (16%)





- Cyan (16%)
- Magenta (49%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0122, 35.0026, 67.8440 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 48.0122, 35.0026, 67.8440 by changing the saturation by 10% instead.


 48.0122, 35.0026,
67.8440


 48.0122, 35.0026,
67.8440


369.4223,
324.5798, 471.5261


 34.0478, 23.6649,
49.3049


 86.4322, 67.4898,
117.7810

 23.0934, 15.0852,
34.4941


 111.6185, 89.4081,
150.0161

 14.7836, 8.8792,
22.9930


 141.2761,
115.6220, 187.6536

 8.7530, 4.6625,
14.3831


175.7705,
146.5159, 231.1120

 4.6362, 2.0506,
8.2458

215.4669,
182.4742, 280.8100

 2.0680, 0.6366,
4.1626

260.7308,

 0.6717, 0.0000,

223.8814, 337.1659

1.7150

311.9275,
271.1218, 400.5985

■ 0.0000, 0.0000,
0.3710

■ 0.0000, 0.0000,
0.0000

■ 48.0122, 35.0026,
67.8440

■ 48.0122, 35.0026,
67.8440

■ 45.4410, 29.9105,
66.8297

■ 51.1816, 41.2894,
69.0586

■ 43.4268, 25.9331,
66.0010

■ 54.9800, 48.8350,
70.4828

■ 41.9288, 22.9880,
65.3447

■ 59.4404, 57.7045,
72.1278

■ 40.8990, 20.9795,
64.8446

■ 64.5925, 67.9573,
74.0037

40.2808, 19.7937,
64.4819

70.4641, 79.6490,
76.1197

39.9716, 19.2261,
64.2226

76.1151, 90.8994,
78.1623

39.9716, 19.2260,
64.2225

76.1474, 90.9124,
78.3323

76.1797, 90.9253,
78.5026

76.2121, 90.9382,
78.6731

Harmonies

Analogous

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



40.7847, 35.0026, 92.9666



48.0122, 35.0026, 67.8440



51.2648, 35.0026, 40.5598

Triad

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



48.0122, 35.0026, 67.8440



34.1130, 35.0026, 8.7541



21.2752, 35.0026, 61.9260

Complementary

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



48.0122, 35.0026, 67.8440



37.3844, 54.8810, 29.7438

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.



20.0706, 35.0026, 35.7645



48.0122, 35.0026, 67.8440



26.7383, 35.0026, 10.6543

Square

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



48.0122, 35.0026, 67.8440



42.4681, 35.0026, 11.7124



21.9026, 35.0026, 18.6520



25.5045, 35.0026, 88.6897

Rectangle

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



48.0122, 35.0026, 67.8440



50.4067, 35.0026, 26.6098



21.9026, 35.0026, 18.6520



20.5360, 35.0026, 52.5264

Sweetspot

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



48.0134, 35.0042, 67.8447



85.9960, 81.9837, 105.5994



29.1708, 25.2757, 67.6322



18.2151, 17.1669, 22.5322



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.



48.0134, 35.0042, 67.8447



67.3944, 45.0543, 98.5543



43.3224, 33.1278, 43.1423



12.9465, 12.6301, 15.6586



23.9104, 11.5005, 38.4277



1.4442, 0.6945, 2.3286

Inverse Universe

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



48.0134, 35.0042, 67.8447



67.3944, 45.0543, 98.5543



40.8015, 56.2478, 47.7378



12.9465, 12.6301, 15.6586



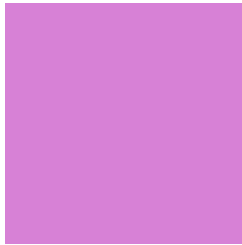
23.9104, 11.5005, 38.4277



1.4442, 0.6945, 2.3286

Previews

White Background



This preview shows how the XYZ color 48.0122, 35.0026, 67.8440 looks on a white background.

Color Contrast Check

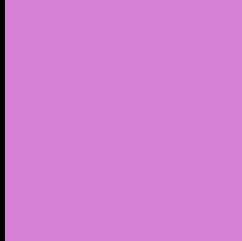
Large Text (above 18pt) WCAG AA × Fail

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 48.0122, 35.0026, 67.8440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

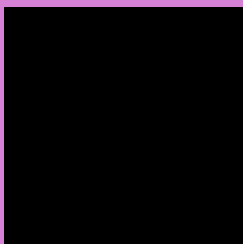
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0122, 35.0026, 67.8440

Background



This preview shows how black text looks on a background with the XYZ color 48.0122, 35.0026, 67.8440.



This preview shows how white text looks on a background with the XYZ color 48.0122, 35.0026,

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

48.0122, 35.0026, 67.8440

Protanopia

37.1987, 35.5782, 84.2636

Deuteranopia

35.9600, 35.1070, 65.2026



Tritanopia

41.1549, 34.9113, 34.7064

Trichromacy



Original Color

48.0122, 35.0026, 67.8440

Protanomaly

39.5416, 34.2554, 77.9267

Deuteranomaly

39.4252, 34.4548, 66.2005

Tritanomaly

43.2619, 34.6881, 44.9728

Monochromacy



Original Color

48.0122, 35.0026, 67.8440

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

39.0385, 35.5779, 49.0656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0122, 35.0026, 67.8440 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(215, 129, 214)` looks like.

```
.text, #text, p{  
    color:rgb(215, 129, 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(215, 129, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 129, 214) }
```

Border

The CSS property to change the border of an element to XYZ 48.0122, 35.0026, 67.8440 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(215, 129, 214) }
```


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

```
.border{ border-color:rgb(215, 129, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 129, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 129, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 129, 214);  
box-shadow:4px 4px 4px 4px rgb(215, 129,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0122, 35.0026, 67.8440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 129, 214) }
```

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

```
.background{ background-color: rgb(215,  
129, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor