

# Converting Colors

XYZ(46.7944, 35.6075, 57.7258)

Have a look what the booklet for  
XYZ(46.7944, 35.6075, 57.7258)  
contains.

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# Color

**XYZ(46.7425, 35.5745,  
57.8290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D786C6
RGB	215, 134, 198
RGB Percent	84%, 53%, 78%
CMY	0.1569, 0.4745, 0.2235
CMYK	0.00, 0.38, 0.08, 0.16
HSL	313°, 50%, 68%
HSV	313°, 38%, 84%
XYZ	46.7425, 35.5745, 57.8290
YIQ	165.5150, 27.7320, 37.0760

# Conversions

## Conversions Part 2

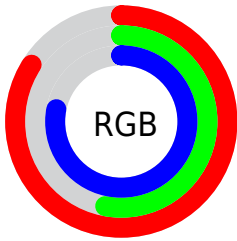
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">215, 134, 198</a>
Decimal	<a href="#">14124742</a>
CIELab	<a href="#">66.19, 40.38, -20.25</a>
CIELCh	<a href="#">66, 45.176, 333.364</a>
Yxy	<a href="#">35.5745, 0.3335, 0.2538</a>
Android (android.graphics.Color)	<a href="#">4292314822 (0xFFD786C6)</a>
YUV	<a href="#">165.5150, 16.0151, 43.3983</a>
Hunter-Lab	<a href="#">59.6444, 35.5105, -15.7344</a>

# Details

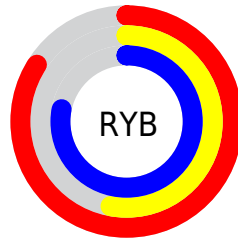
The XYZ color **46.7425, 35.5745, 57.8290** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.7194, 55.9048, 37.9778**, and the grayscale version is **35.9286, 37.7997, 41.1639**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **22.3494, 15.4191, 28.1838** is the 20% darker color. If you saturate the color by 10%, you get **43.5549, 30.0194, 54.2367**, and if you desaturate by 10%, it is **50.5519, 42.3471, 61.7058**.

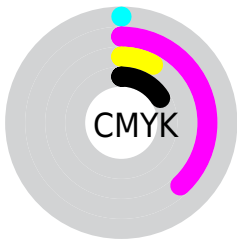
# Distribution



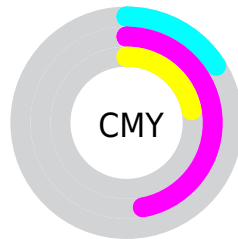
- Red (84%)
- Green (53%)
- Blue (78%)



- Red (84%)
- Yellow (53%)
- Blue (78%)



- Cyan (0%)
- Magenta (38%)
- Yellow (8%)
- Black (16%)




- Cyan (16%)
- Magenta (47%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7425, 35.5745, 57.8290 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 46.7425, 35.5745, 57.8290 by changing the saturation by 10% instead.





 46.7425, 35.5745,  
57.8290

 46.7425, 35.5745,  
57.8290

364.4519,  
327.0969, 434.1289


 33.0392, 24.1058,  
41.2574


 84.5502, 68.3748,  
103.1861

 22.3159, 15.4121,  
28.1991


 109.3854, 90.4752,  
132.8087

 14.2071, 9.1091,  
18.2354


 138.6619,  
116.8882, 167.6187

 8.3475, 4.8124,  
10.9479

172.7450,  
147.9982, 208.0347

 4.3718, 2.1376,  
5.9181

212.0003,  
184.1898, 254.4752

 1.9145, 0.6857,  
2.7274

256.7929,

 0.5853, 0.0000,

225.8471, 307.3586

0.9572

307.4883,  
273.3547, 367.1037

■ 0.0000, 0.0000,  
0.0000

■ 46.7425, 35.5745,  
57.8290

■ 46.7425, 35.5745,  
57.8290

■ 43.5549, 30.0194,  
54.2367

■ 50.5519, 42.3471,  
61.7058

■ 40.9488, 25.6033,  
50.9137

■ 55.0136, 50.3999,  
65.8769

■ 38.8843, 22.2460,  
47.8465


■ 60.1601, 59.7971,  
70.3540


■ 37.3149, 19.8548,  
45.0189


■ 66.0207, 70.5971,  
75.1477


■ 36.1862, 18.3209,  
42.4120


■ 72.6230, 82.8549,  
80.2676


 35.4225, 17.4933,  
39.9999

 77.3858, 91.4077,  
84.8540

 35.2685, 17.3448,  
39.4568

 78.0100, 91.6574,  
88.1413

 78.6507, 91.9137,  
91.5148

 79.3078, 92.1765,  
94.9754

# Harmonies

## Analogous

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



41.4366, 35.5745, 78.6424



46.7425, 35.5745, 57.8290



48.4385, 35.5745, 36.6013

# Triad

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



46.7425, 35.5745, 57.8290



33.0592, 35.5745, 12.2743



24.1191, 35.5745, 62.8878

# Complementary

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



46.7425, 35.5745, 57.8290



39.7194, 55.9048, 37.9778

# 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.



22.4739, 35.5745, 40.9492



46.7425, 35.5745, 57.8290



27.1861, 35.5745, 15.3019

# Square

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



46.7425, 35.5745, 57.8290



39.9493, 35.5745, 14.1611



23.5182, 35.5745, 24.3873



28.3387, 35.5745, 82.1794



# Rectangle

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



46.7425, 35.5745, 57.8290



47.1309, 35.5745, 25.8229



23.5182, 35.5745, 24.3873



23.2740, 35.5745, 55.3607

# Sweetspot

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



46.7436, 35.5761, 57.8297



85.8119, 83.0174, 101.2158



33.4070, 28.4614, 68.0236



18.1427, 17.3588, 21.4701



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.



46.7436, 35.5761, 57.8297



65.0664, 45.8540, 80.9596



42.7482, 33.9780, 36.7904



12.8362, 12.5860, 15.0776



21.1344, 10.3901, 23.8095



1.3034, 0.6381, 1.5869



# Inverse Universe

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



46.7436, 35.5761, 57.8297



65.0664, 45.8540, 80.9596



43.5043, 57.4187, 57.9087



12.8362, 12.5860, 15.0776



21.1344, 10.3901, 23.8095

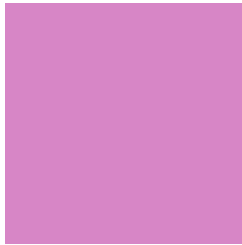


1.3034, 0.6381, 1.5869



# Previews

## White Background



This preview shows how the XYZ color 46.7425, 35.5745, 57.8290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

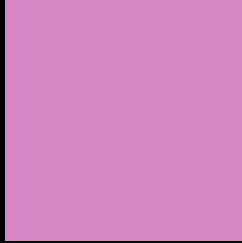
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.7425, 35.5745, 57.8290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

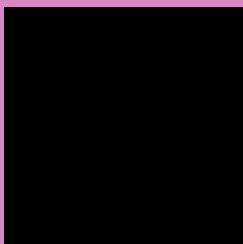
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.7425, 35.5745, 57.8290**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.7425, 35.5745, 57.8290.



This preview shows how white text looks on a background with the XYZ color 46.7425, 35.5745,



# 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

46.7425, 35.5745, 57.8290

### Protanopia

36.4699, 35.7739, 69.9486

### Deuteranopia

36.6624, 35.9258, 56.0410



## Tritanopia

42.2335, 35.6797, 35.2328

# Trichromacy



## Original Color

46.7425, 35.5745, 57.8290



## Protanomaly

38.9925, 34.9622, 65.0148



## Deuteranomaly

39.6538, 35.2588, 56.3454



## Tritanomaly

43.7852, 35.6555, 42.6047

# Monochromacy



## Original Color

46.7425, 35.5745, 57.8290



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

39.3586, 36.5159, 47.0933

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.7425, 35.5745, 57.8290 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, 134, 198)` looks like.

```
.text, #text, p{  
    color:rgb(215, 134, 198)  
}
```

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, 134, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 134, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 46.7425, 35.5745, 57.8290 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, 134, 198) }
```



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

```
.border{ border-color:rgb(215, 134, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 134, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 134, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 134, 198);  
box-shadow:4px 4px 4px 4px rgb(215, 134,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.7425, 35.5745, 57.8290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 134, 198) }
```

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

```
.background{ background-color: rgb(215,  
134, 198) }
```

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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