

# Converting Colors

XYZ(58.5716, 47.1814, 85.5732)

Have a look what the booklet for  
XYZ(58.5716, 47.1814, 85.5732)  
contains.

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# Color

**XYZ(58.4516, 47.0450,  
85.3567)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0A0EC
RGB	224, 160, 236
RGB Percent	88%, 63%, 93%
CMY	0.1216, 0.3725, 0.0745
CMYK	0.05, 0.32, 0.00, 0.07
HSL	291°, 67%, 78%
HSV	291°, 32%, 93%
XYZ	58.4516, 47.0450, 85.3567
YIQ	187.8000, 13.7480, 37.2040

# Conversions

## Conversions Part 2

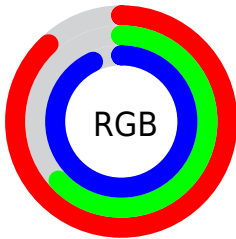
Format	Color
R <sub>Y</sub> B	224, 160, 236
Decimal	14721260
CIE Lab	74.22, 36.32, -28.86
CIE LCh	74, 46.394, 321.529
Yxy	47.0450, 0.3063, 0.2465
Android (android.graphics.Color)	4292911340 (0xFFE0A0EC)
YUV	187.8000, 23.7626, 31.7474
Hunter-Lab	68.5894, 32.0857, -25.7715

# Details

The XYZ color **58.4516, 47.0450, 85.3567** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.3554, 71.3007, 44.2102**, and the grayscale version is **47.5518, 50.0282, 54.4808**.

A 20% lighter version of the original color is **83.5904, 77.0809, 105.0801**, and **29.6444, 22.1355, 45.8902** is the 20% darker color. If you saturate the color by 10%, you get **53.6004, 39.0374, 84.0675**, and if you desaturate by 10%, it is **64.1077, 56.6227, 86.9080**.

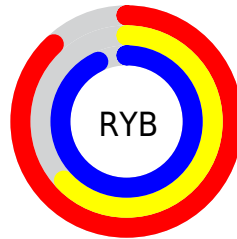
# Distribution



Red (88%)

Green (63%)

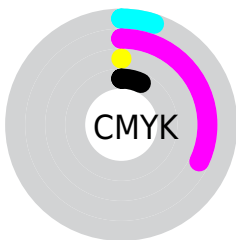
Blue (93%)



Red (88%)

Yellow (63%)

Blue (93%)

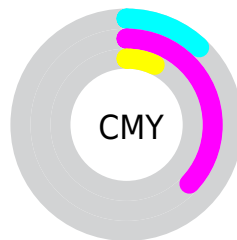


Cyan (5%)

Magenta (32%)

Yellow (0%)

Black (7%)



Cyan (12%)

Magenta (37%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4516, 47.0450, 85.3567 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 58.4516, 47.0450, 85.3567 by changing the saturation by 10% instead.




 58.4516, 47.0450,  
85.3567


 58.4516, 47.0450,  
85.3567


408.7934,  
374.9941, 532.9830

 42.4165, 33.0712,  
63.5843


 101.6994, 85.7808,  
142.7500

 29.6201, 22.1810,  
45.8700


 129.6428,  
111.3116, 179.2080

 19.6970, 13.9900,  
31.7954


162.2863,  
141.4635, 221.3983

 12.2820, 8.1137,  
20.9417

199.9953,  
176.6210, 269.7394

 7.0096, 4.1678,  
12.8906

243.1352,  
217.1684, 324.6499

 3.5145, 1.7679,  
7.2234

292.0712,

 1.4313, 0.4670,

263.4901, 386.5483

3.5216

347.1689,  
315.9706, 455.8531

■ 0.2784, 0.0000,  
1.3668

■ 0.0000, 0.0000,  
0.1156

■ 58.4516, 47.0450,  
85.3567

■ 58.4516, 47.0450,  
85.3567

■ 53.6004, 39.0374,  
84.0675

■ 64.1077, 56.6227,  
86.9080

■ 49.5053, 32.5056,  
83.0225

■ 70.6048, 67.8458,  
88.7318

■ 46.1192, 27.3547,  
82.2068

■ 77.9824, 80.7918,  
90.8418

■ 43.3876, 23.4760,  
81.6021

■ 86.2761, 95.5317,  
93.2498

41.2478, 20.7444,  
81.1876

87.7360, 96.5656,  
93.3724

39.6244, 19.0091,  
80.9382

89.0326, 97.2340,  
93.4331

38.6244, 18.1626,  
80.8275

90.3554, 97.9159,  
93.4950

91.7046, 98.6115,  
93.5581

92.1404, 98.8362,  
93.5785

# Harmonies

## Analogous

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



50.8488, 47.0450, 106.7843



58.4516, 47.0450, 85.3567



62.4857, 47.0450, 58.2769

# Triad

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



58.4516, 47.0450, 85.3567



47.1141, 47.0450, 17.9485



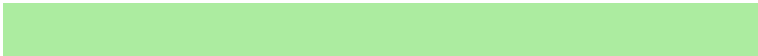
31.4185, 47.0450, 69.9521

# Complementary

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



58.4516, 47.0450, 85.3567



53.3554, 71.3007, 44.2102

# 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.



30.6799, 47.0450, 44.7645



58.4516, 47.0450, 85.3567



39.0952, 47.0450, 19.3229

# Square

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



58.4516, 47.0450, 85.3567



55.4286, 47.0450, 23.0666



33.3189, 47.0450, 27.6733



35.4791, 47.0450, 96.1407



# Rectangle

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



58.4516, 47.0450, 85.3567



62.3005, 47.0450, 42.5986



33.3189, 47.0450, 27.6733



30.7954, 47.0450, 60.9415

# Sweetspot

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



58.4531, 47.0470, 85.3577



85.9821, 84.0401, 106.2974



44.5191, 43.2913, 85.3672



18.1495, 17.5442, 22.6797



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.



58.4531, 47.0470, 85.3577



65.5604, 49.2488, 100.6583



58.8804, 47.6628, 67.5071



15.4677, 15.1864, 19.0383



21.3816, 10.0585, 44.5575



1.7417, 0.8222, 3.5018



# Inverse Universe

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



54.6107, 45.9550, 45.0235



60.4278, 47.8361, 44.7026



53.2864, 70.9825, 56.9781



15.1624, 15.0928, 16.1407



19.2845, 9.9165, 2.0334

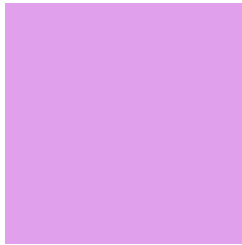


1.5436, 0.7904, 0.3140



# Previews

## White Background



This preview shows how the XYZ color 58.4516, 47.0450, 85.3567 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

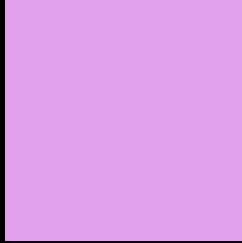
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.4516, 47.0450, 85.3567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

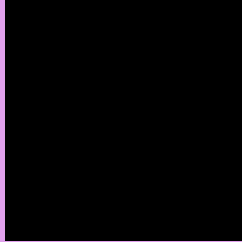
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.4516, 47.0450, 85.3567**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.4516, 47.0450, 85.3567.



This preview shows how white text looks on a background with the XYZ color 58.4516, 47.0450,

85.3567.

# 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

58.4516, 47.0450, 85.3567

### Protanopia

48.6341, 47.2889, 97.8312

### Deuteranopia

48.3648, 47.1804, 82.9016



## Tritanopia

51.6417, 46.9619, 51.6901

# Trichromacy



## Original Color

58.4516, 47.0450, 85.3567



## Protanomaly

51.5857, 46.8552, 93.5139



## Deuteranomaly

51.4528, 46.7257, 83.3979



## Tritanomaly

53.9309, 46.7999, 62.6907

# Monochromacy



## Original Color

58.4516, 47.0450, 85.3567



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

51.0272, 48.6661, 64.4617

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.4516, 47.0450, 85.3567 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(224, 160, 236)` looks like.

```
.text, #text, p{  
    color:rgb(224, 160, 236)  
}
```

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(224, 160, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 160, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 58.4516, 47.0450, 85.3567 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(224, 160, 236) }
```



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

```
.border{ border-color:rgb(224, 160, 236) }
```

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

Here you see how a box with a 4 pixel rgb(224, 160, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 160, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 160, 236);  
box-shadow:4px 4px 4px 4px rgb(224, 160,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.4516, 47.0450, 85.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 160, 236) }
```

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

```
.background{ background-color: rgb(224,  
160, 236) }
```

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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