

# Converting Colors

XYZ(58.3995, 46.7856, 79.4678)

Have a look what the booklet for  
XYZ(58.3995, 46.7856, 79.4678)  
contains.

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# Color

**XYZ(58.3966, 46.8917,  
79.3720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E49FE4
RGB	228, 159, 228
RGB Percent	89%, 62%, 89%
CMY	0.1059, 0.3765, 0.1059
CMYK	0.00, 0.30, 0.00, 0.11
HSL	300°, 56%, 76%
HSV	300°, 30%, 89%
XYZ	58.3966, 46.8917, 79.3720
YIQ	187.4970, 18.9750, 36.0870

# Conversions

## Conversions Part 2

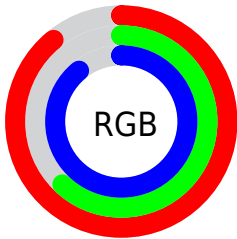
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 159, 228
Decimal	14983140
CIE Lab	74.12, 36.61, -24.62
CIE LCh	74, 44.119, 326.084
Yxy	46.8917, 0.3162, 0.2539
Android (android.graphics.Color)	4293173220 (0xFFE49FE4)
YUV	187.4970, 19.9680, 35.5211
Hunter-Lab	68.4775, 32.3865, -20.7885

# Details

The XYZ color **58.3966, 46.8917, 79.3720** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.3014, 65.3624, 42.8739**, and the grayscale version is **47.3992, 49.8677, 54.3059**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **29.6137, 22.0573, 41.7264** is the 20% darker color. If you saturate the color by 10%, you get **54.8321, 39.7618, 78.1843**, and if you desaturate by 10%, it is **62.6872, 55.4719, 80.8028**.

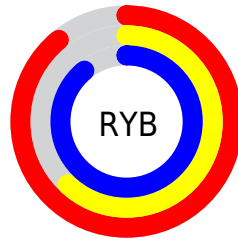
# Distribution



Red (89%)

Green (62%)

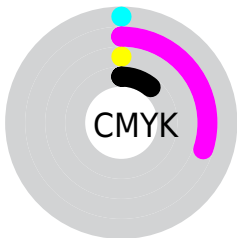
Blue (89%)



Red (89%)

Yellow (62%)

Blue (89%)

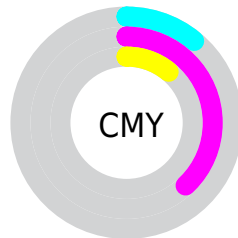


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (38%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3966, 46.8917, 79.3720 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 58.3966, 46.8917, 79.3720 by changing the saturation by 10% instead.





 58.3966, 46.8917,  
79.3720

 58.3966, 46.8917,  
79.3720


408.5922,  
374.3821, 512.4648

 42.3721, 32.9500,  
58.6786


 101.6198, 85.5519,  
134.2858

 29.5851, 22.0882,  
41.9361


 129.5492,  
111.0393, 169.3434

 19.6704, 13.9217,  
28.7261


162.1776,  
141.1441, 210.0260

 12.2626, 8.0662,  
18.6299

199.8704,  
176.2506, 256.7523

 6.9962, 4.1374,  
11.2291

242.9929,  
216.7432, 309.9407

 3.5060, 1.7507,  
6.1050

291.9105,

 1.4267, 0.4562,

263.0064, 370.0100

2.8392

346.9884,  
315.4246, 437.3784

■ 0.2751, 0.0000,  
1.0131

■ 0.0000, 0.0000,  
0.0000

■ 58.3966, 46.8917,  
79.3720

■ 58.3966, 46.8917,  
79.3720

■ 54.8321, 39.7618,  
78.1843

■ 62.6872, 55.4719,  
80.8028

■ 51.9494, 33.9965,  
77.2233

■ 67.7361, 65.5698,  
82.4858

■ 49.7064, 29.5105,  
76.4756

■ 73.5793, 77.2560,  
84.4336

■ 48.0543, 26.2063,  
75.9248

■ 80.2487, 90.5949,  
86.6568

46.9375, 23.9728,  
75.5525

81.7591, 93.6157,  
87.1604

46.2898, 22.6773,  
75.3365

81.7591, 93.6157,  
87.1604

45.9990, 22.0956,  
75.2395

81.7591, 93.6157,  
87.1605

81.7592, 93.6157,  
87.1606

81.7592, 93.6157,  
87.1606

# Harmonies

## Analogous

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



51.5854, 46.8917, 100.9276



58.3966, 46.8917, 79.3720



61.5014, 46.8917, 54.0850

# Triad

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



58.3966, 46.8917, 79.3720



45.6142, 46.8917, 18.7977



32.2738, 46.8917, 72.6670

# Complementary

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



58.3966, 46.8917, 79.3720



48.3014, 65.3624, 42.8739

# 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.



31.0704, 46.8917, 48.1444



58.3966, 46.8917, 79.3720



38.2198, 46.8917, 21.1099

# Square

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



58.3966, 46.8917, 79.3720



53.5909, 46.8917, 22.8015



33.1173, 46.8917, 30.4316



36.6214, 46.8917, 96.3216



# Rectangle

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



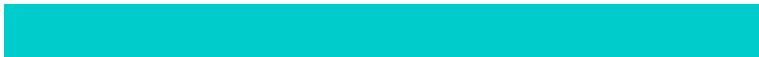
58.3966, 46.8917, 79.3720



60.8111, 46.8917, 39.9306



33.1173, 46.8917, 30.4316



31.5120, 46.8917, 64.0794

# Sweetspot

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



58.3981, 46.8938, 79.3730



88.1607, 86.2214, 106.6035



40.7019, 37.7710, 78.5451



18.6488, 18.0124, 22.7438



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.



58.3981, 46.8938, 79.3730



72.4227, 54.7454, 101.3572



54.0763, 45.1650, 56.6145



14.9952, 14.6153, 18.1750



26.5612, 12.7587, 43.4455



1.9628, 0.9428, 3.2105



# Inverse Universe

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



58.3981, 46.8938, 79.3730



72.4227, 54.7454, 101.3572



51.7248, 66.7317, 60.9013



14.9952, 14.6153, 18.1750



26.5612, 12.7587, 43.4455



1.9628, 0.9428, 3.2105



# Previews

## White Background



This preview shows how the XYZ color 58.3966, 46.8917, 79.3720 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

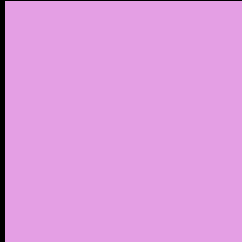
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3966, 46.8917, 79.3720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

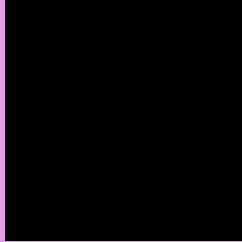
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.3966, 46.8917, 79.3720**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3966, 46.8917, 79.3720.



This preview shows how white text looks on a background with the XYZ color 58.3966, 46.8917,



# 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

58.3966, 46.8917, 79.3720

### Protanopia

48.0160, 47.1129, 91.3570

### Deuteranopia

48.1651, 47.2057, 77.0941



## Tritanopia

52.4673, 46.8711, 49.9978

# Trichromacy



## Original Color

58.3966, 46.8917, 79.3720



## Protanomaly

50.9242, 46.3695, 87.1551



## Deuteranomaly

51.3691, 46.8116, 77.5623



## Tritanomaly

54.3886, 46.8348, 59.5995

# Monochromacy



## Original Color

58.3966, 46.8917, 79.3720



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

51.1302, 48.4526, 63.1573

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3966, 46.8917, 79.3720 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(228, 159, 228)` looks like.

```
.text, #text, p{  
    color:rgb(228, 159, 228)  
}
```

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(228, 159, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 159, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3966, 46.8917, 79.3720 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(228, 159, 228) }
```



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

```
.border{ border-color:rgb(228, 159, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 159, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 159, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 159, 228);  
box-shadow:4px 4px 4px 4px rgb(228, 159,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3966, 46.8917, 79.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 159, 228) }
```

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

```
.background{ background-color: rgb(228,  
159, 228) }
```

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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