

# Converting Colors

XYZ(58.4591, 45.7160, 82.5877)

Have a look what the booklet for  
XYZ(58.4591, 45.7160, 82.5877)  
contains.

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# Color

**XYZ(58.5767, 45.6524,  
82.8153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E59AE9
RGB	229, 154, 233
RGB Percent	90%, 60%, 91%
CMY	0.1020, 0.3961, 0.0863
CMYK	0.02, 0.34, 0.00, 0.09
HSL	297°, 64%, 76%
HSV	297°, 34%, 91%
XYZ	58.5767, 45.6524, 82.8153
YIQ	185.4310, 19.3410, 40.4690

# Conversions

## Conversions Part 2

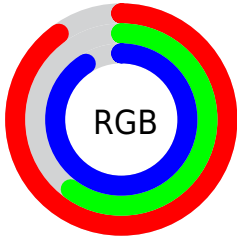
Format	Color
R <sub>Y</sub> B	229, 154, 233
Decimal	15047401
CIE Lab	73.32, 40.50, -28.56
CIE LCh	73, 49.561, 324.806
Yxy	45.6524, 0.3132, 0.2441
Android (android.graphics.Color)	4293237481 (0xFFE59AE9)
YUV	185.4310, 23.4515, 38.2100
Hunter-Lab	67.5666, 36.5088, -25.3743

# Details

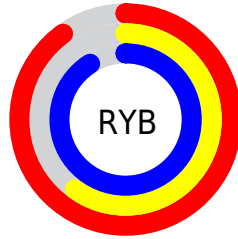
The XYZ color **58.5767, 45.6524, 82.8153** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **49.0737, 67.8812, 41.0900**, and the grayscale version is **46.2212, 48.6283, 52.9562**.

A 20% lighter version of the original color is **82.0905, 74.0809, 104.5802**, and **29.6027, 21.2523, 44.1368** is the 20% darker color. If you saturate the color by 10%, you get **54.7233, 38.5016, 81.6388**, and if you desaturate by 10%, it is **63.1819, 54.3012, 84.2426**.

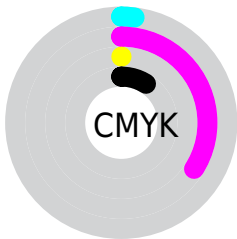
# Distribution



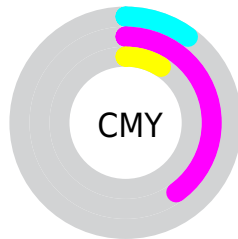
- Red (90%)
- Green (60%)
- Blue (91%)



- Red (90%)
- Yellow (60%)
- Blue (91%)



- Cyan (2%)
- Magenta (34%)
- Yellow (0%)
- Black (9%)




- Cyan (10%)
- Magenta (40%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5767, 45.6524, 82.8153 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 58.5767, 45.6524, 82.8153 by changing the saturation by 10% instead.




 58.5767, 45.6524,  
82.8153

 58.5767, 45.6524,  
82.8153


409.2507,  
369.4094, 524.3256

 42.5175, 31.9716,  
61.4981

 101.8803, 83.6985,  
139.1637

 29.6996, 21.3398,  
44.1941


 129.8555,  
108.8327, 175.0319

 19.7576, 13.3726,  
30.4848


162.5334,  
138.5534, 216.5875

 12.3262, 7.6856,  
19.9517

200.2793,  
173.2451, 264.2491

 7.0400, 3.8945,  
12.1762

243.4587,  
213.2921, 318.4351

 3.5337, 1.6147,  
6.7398

292.4368,

 1.4419, 0.3675,

259.0789, 379.5642

3.2239

347.5790,  
310.9899, 448.0549

■ 0.2858, 0.0000,  
1.2101

■ 0.0000, 0.0000,  
0.0000

■ 58.5767, 45.6524,  
82.8153

■ 58.5767, 45.6524,  
82.8153

■ 54.7233, 38.5016,  
81.6388

■ 63.1819, 54.3012,  
84.2426

■ 51.5740, 32.7561,  
80.6958


■ 68.5744, 64.5217,  
85.9312


■ 49.0824, 28.3222,  
79.9713


■ 74.7928, 76.3901,  
87.8943


■ 47.1948, 25.0925,  
79.4474


■ 81.8716, 89.9756,  
90.1434


 45.8489, 22.9425,  
79.1033


 84.6959, 95.0483,  
90.9737


 44.9689, 21.7205,  
78.9138

 85.0865, 95.2497,  
90.9920

 44.5894, 21.2876,  
78.8503

 85.4797, 95.4524,  
91.0104

 85.8754, 95.6564,  
91.0289

 86.2738, 95.8617,  
91.0476

# Harmonies

## Analogous

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



50.8084, 45.6524, 107.2374



58.5767, 45.6524, 82.8153



62.3108, 45.6524, 54.1800

# Triad

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



58.5767, 45.6524, 82.8153



44.9259, 45.6524, 15.5948



29.8882, 45.6524, 72.6839

# Complementary

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



58.5767, 45.6524, 82.8153



49.0737, 67.8812, 41.0900

# 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.



28.7507, 45.6524, 45.4886



58.5767, 45.6524, 82.8153



36.7335, 45.6524, 17.6310

# Square

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



58.5767, 45.6524, 82.8153



53.7836, 45.6524, 19.8987



31.0871, 45.6524, 26.8610



34.4320, 45.6524, 100.1462



# Rectangle

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



58.5767, 45.6524, 82.8153



61.6922, 45.6524, 38.4243



31.0871, 45.6524, 26.8610



29.1229, 45.6524, 63.0084

# Sweetspot

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



58.5782, 45.6544, 82.8163



86.9745, 84.5517, 106.3438



40.4804, 37.6435, 82.2239



18.3913, 17.6689, 22.6911



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.



58.5782, 45.6544, 82.8163



68.3477, 49.4465, 100.5496



55.4431, 44.5495, 59.5693



15.6351, 15.2727, 19.0461



25.3335, 12.0958, 44.7425



2.0125, 0.9618, 3.5144



# Inverse Universe

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



51.3329, 42.9054, 37.9257



58.1973, 45.6082, 37.0744



51.5692, 68.7899, 58.2706



15.0964, 15.0664, 15.7928



19.1180, 9.8499, 1.1568



1.5121, 0.7778, 0.1483



# Previews

## White Background



This preview shows how the XYZ color 58.5767, 45.6524, 82.8153 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

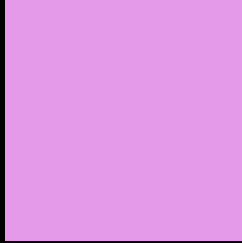
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.5767, 45.6524, 82.8153 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 58.5767, 45.6524, 82.8153**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.5767, 45.6524, 82.8153.



This preview shows how white text looks on a background with the XYZ color 58.5767, 45.6524,



# 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

58.5767, 45.6524, 82.8153

### Protanopia

47.4335, 46.0749, 97.6601

### Deuteranopia

47.0986, 45.9857, 80.5225



## Tritanopia

51.6152, 45.6542, 48.2112

# Trichromacy



## Original Color

58.5767, 45.6524, 82.8153



## Protanomaly

50.2843, 45.0979, 91.6425



## Deuteranomaly

50.4632, 45.4266, 80.9714



## Tritanomaly

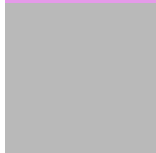
53.9892, 45.5745, 59.3773

# Monochromacy



## Original Color

58.5767, 45.6524, 82.8153



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

49.8841, 46.9539, 62.3109

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5767, 45.6524, 82.8153 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(229, 154, 233)` looks like.

```
.text, #text, p{  
    color:rgb(229, 154, 233)  
}
```

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(229, 154, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 154, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5767, 45.6524, 82.8153 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(229, 154, 233) }
```



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

```
.border{ border-color:rgb(229, 154, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 154, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 154, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 154, 233);  
box-shadow:4px 4px 4px 4px rgb(229, 154,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5767, 45.6524, 82.8153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 154, 233) }
```

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

```
.background{ background-color: rgb(229,  
154, 233) }
```

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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