

# Converting Colors

XYZ(58.7949, 36.3798, 96.8517)

Have a look what the booklet for XYZ(58.7949, 36.3798, 96.8517) contains.

- XYZ(58.7949, 36.3798, 96.8517) ..... 3**
- Conversions* ..... 4**
- Details* ..... 6**
- Harmonies* ..... 12**
- Previews* ..... 24**
- Color Blindness Simulation* ..... 28**
- CSS Examples* ..... 31**

# Color

**XYZ(58.7949, 36.3798,  
96.8517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF6DFD
RGB	239, 109, 253
RGB Percent	94%, 43%, 99%
CMY	0.0627, 0.5725, 0.0078
CMYK	0.06, 0.57, 0.00, 0.01
HSL	294°, 97%, 71%
HSV	294°, 57%, 99%
XYZ	58.7949, 36.3798, 96.8517
YIQ	164.2860, 31.2560, 72.3440

# Conversions

## Conversions Part 2

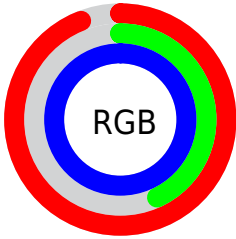
Format	Color
R <sub>Y</sub> B	239, 109, 253
Decimal	15691261
CIE Lab	66.81, 69.09, -49.57
CIE LCh	67, 85.034, 324.342
Yxy	36.3798, 0.3062, 0.1895
Android (android.graphics.Color)	4293881341 (0xFFEF6DFD)
YUV	164.2860, 43.7360, 65.5242
Hunter-Lab	60.3157, 68.4470, -52.9838

# Details

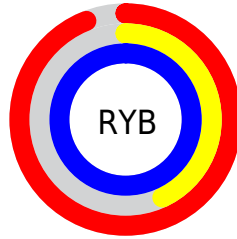
The XYZ color **58.7949, 36.3798, 96.8517** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **46.0550, 75.5665, 26.6279**, and the grayscale version is **35.2119, 37.0457, 40.3427**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **29.8845, 15.8854, 53.7157** is the 20% darker color. If you saturate the color by 10%, you get **55.6497, 31.3128, 96.0400**, and if you desaturate by 10%, it is **62.7305, 43.0088, 97.9243**.

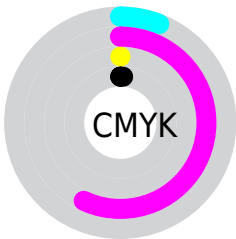
# Distribution



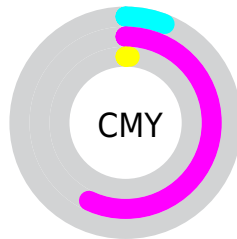
- Red (94%)
- Green (43%)
- Blue (99%)



- Red (94%)
- Yellow (43%)
- Blue (99%)



- Cyan (6%)
- Magenta (57%)
- Yellow (0%)
- Black (1%)




- Cyan (6%)
- Magenta (57%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7949, 36.3798, 96.8517 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 58.7949, 36.3798, 96.8517 by changing the saturation by 10% instead.





 58.7949, 36.3798,  
96.8517

 58.7949, 36.3798,  
96.8517

410.0477,  
330.6175, 571.2112

 42.6938, 24.7277,  
73.0717


 102.1958, 69.6179,  
158.8378

 29.8384, 15.8743,  
53.5424


 130.2264, 91.9726,  
197.8811

 19.8634, 9.4352,  
37.8453


 162.9641,  
118.6637, 242.8492

 12.4035, 5.0261,  
25.5617

200.7743,  
150.0754, 294.1607

 7.0932, 2.2626,  
16.2732

244.0224,  
186.5923, 352.2341

 3.5673, 0.7538,  
9.5613

293.0738,

 1.4604, 0.0000,

228.5987, 417.4879

5.0073

348.2938,  
276.4790, 490.3408

■ 0.2986, 0.0000,  
2.1927

■ 0.0000, 0.0000,  
0.6702

■ 58.7949, 36.3798,  
96.8517

■ 58.7949, 36.3798,  
96.8517

■ 55.6497, 31.3128,  
96.0400

■ 62.7305, 43.0088,  
97.9243

■ 53.2222, 27.6655,  
95.4639

■ 67.5131, 51.3159,  
99.2757

■ 51.4331, 25.2783,  
95.0974

■ 73.1987, 61.4120,  
100.9248

■ 50.1799, 23.9463,  
94.9064

■ 79.8371, 73.3971,  
102.8882

■ 49.8533, 23.6522,  
94.8668

■ 87.4748, 87.3635,  
105.1815

94.2748, 99.6374,  
107.1922

94.7297, 99.8719,  
107.2135

# Harmonies

## Analogous

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



45.7972, 36.3798, 145.4152



58.7949, 36.3798, 96.8517



65.4612, 36.3798, 47.0066

# Triad

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



58.7949, 36.3798, 96.8517



37.0719, 36.3798, 2.6769



16.5956, 36.3798, 76.5318

# Complementary

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



58.7949, 36.3798, 96.8517



46.0550, 75.5665, 26.6279

# 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.



15.3550, 36.3798, 33.0356



58.7949, 36.3798, 96.8517



25.3592, 36.3798, 3.7897

# Square

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



58.7949, 36.3798, 96.8517



51.0773, 36.3798, 5.4447



18.1344, 36.3798, 11.0200



22.0798, 36.3798, 129.4347



# Rectangle

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



58.7949, 36.3798, 96.8517



64.4718, 36.3798, 24.5387



18.1344, 36.3798, 11.0200



15.7363, 36.3798, 59.8572

# Sweetspot

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



58.7963, 36.3814, 96.8525



81.2126, 74.6016, 104.7269



31.1703, 24.6100, 96.0364



17.0753, 15.4097, 22.3243



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.



58.7963, 36.3814, 96.8525



56.3451, 31.3963, 97.6981



55.8734, 35.7795, 55.8300



18.6084, 18.2054, 22.7832



26.5895, 12.6179, 50.4687



2.6373, 1.2535, 4.9162



# Inverse Universe

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



49.5529, 33.2513, 22.5466



46.4535, 28.1249, 14.6490



48.3713, 76.2779, 48.5410



18.0811, 18.0158, 19.0442



21.6629, 11.1544, 1.6093



2.1321, 1.0952, 0.2770



# Previews

## White Background



This preview shows how the XYZ color 58.7949, 36.3798, 96.8517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

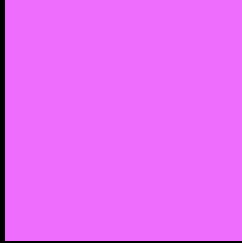
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.7949, 36.3798, 96.8517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

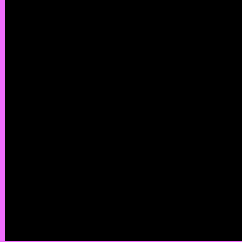
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.7949, 36.3798, 96.8517**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.7949, 36.3798, 96.8517.



This preview shows how white text looks on a background with the XYZ color 58.7949, 36.3798,



# 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

58.7949, 36.3798, 96.8517

### Protanopia

39.2250, 36.7972, 99.6429

### Deuteranopia

37.8536, 36.8079, 90.6975



## Tritanopia

45.2635, 36.0055, 32.1679

# Trichromacy



## Original Color

58.7949, 36.3798, 96.8517



## Protanomaly

43.3506, 34.4210, 98.1250



## Deuteranomaly

42.5473, 34.5758, 92.4270



## Tritanomaly

49.0854, 35.5469, 50.7285

# Monochromacy



## Original Color

58.7949, 36.3798, 96.8517



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

41.4229, 35.0084, 56.7986

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.7949, 36.3798, 96.8517 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(239, 109, 253)` looks like.

```
.text, #text, p{  
    color:rgb(239, 109, 253)  
}
```

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(239, 109, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 109, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 58.7949, 36.3798, 96.8517 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(239, 109, 253) }
```



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

```
.border{ border-color:rgb(239, 109, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 109, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 109, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 109, 253);  
box-shadow:4px 4px 4px 4px rgb(239, 109,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.7949, 36.3798, 96.8517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 109, 253) }
```

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

```
.background{ background-color: rgb(239,  
109, 253) }
```

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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