

# Converting Colors

XYZ(57.5425, 35.1556, 85.6896)

Have a look what the booklet for  
XYZ(57.5425, 35.1556, 85.6896)  
contains.

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# Color

**XYZ(57.4925, 35.1873,  
85.4230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F368EF
RGB	243, 104, 239
RGB Percent	95%, 41%, 94%
CMY	0.0471, 0.5921, 0.0627
CMYK	0.00, 0.57, 0.02, 0.05
HSL	302°, 85%, 68%
HSV	302°, 57%, 95%
XYZ	57.4925, 35.1873, 85.4230
YIQ	160.9510, 39.5090, 71.4530

# Conversions

## Conversions Part 2

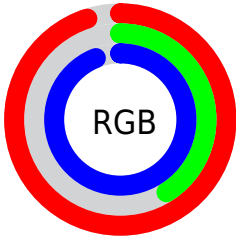
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 104, 239
Decimal	15952111
CIE <sub>Lab</sub>	65.89, 69.87, -43.26
CIE <sub>LCh</sub>	66, 82.176, 328.233
Yxy	35.1873, 0.3228, 0.1976
Android (android.graphics.Color)	4294142191 (0xFFFF368EF)
YUV	160.9510, 38.4782, 71.9570
Hunter-Lab	59.3189, 69.1961, -43.8582

# Details

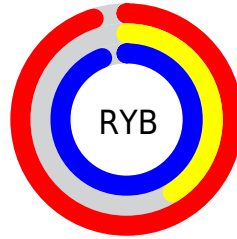
The XYZ color **57.4925, 35.1873, 85.4230** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **40.4679, 68.1285, 25.2066**, and the grayscale version is **33.6691, 35.4226, 38.5752**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **29.0386, 15.2237, 45.6639** is the 20% darker color. If you saturate the color by 10%, you get **55.2868, 30.9401, 84.1792**, and if you desaturate by 10%, it is **60.4056, 40.8468, 86.9052**.

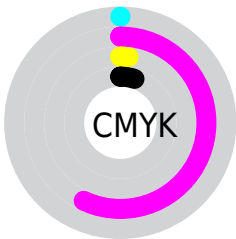
# Distribution



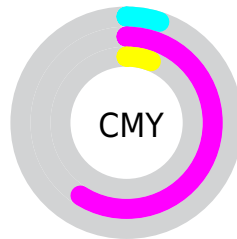
- Red (95%)
- Green (41%)
- Blue (94%)



- Red (95%)
- Yellow (41%)
- Blue (94%)



- Cyan (0%)
- Magenta (57%)
- Yellow (2%)
- Black (5%)




- Cyan (5%)
- Magenta (59%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4925, 35.1873, 85.4230 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 57.4925, 35.1873, 85.4230 by changing the saturation by 10% instead.





 57.4925, 35.1873,  
85.4230

 57.4925, 35.1873,  
85.4230


405.2766,  
325.3943, 533.2078

 41.6425, 23.8072,  
63.6388


 100.3107, 67.7758,  
142.8434


 29.0113, 15.1907,  
45.9139

 128.0095, 89.7530,  
179.3167

 19.2337, 8.9533,  
31.8297


 160.3887,  
116.0314, 221.5235

 11.9443, 4.7107,  
20.9677

 197.8135,  
146.9953, 269.8822

 6.7777, 2.0786,  
12.9094

240.6494,  
183.0291, 324.8114

 3.3685, 0.6525,  
7.2362

289.2616,

 1.3515, 0.0000,

224.5173, 386.7298

3.5296

344.0156,  
271.8442, 456.0557

■ 0.2213, 0.0000,  
1.3710

■ 0.0000, 0.0000,  
0.1189

■ 57.4925, 35.1873,  
85.4230

■ 57.4925, 35.1873,  
85.4230

■ 55.2868, 30.9401,  
84.1792

■ 60.4056, 40.8468,  
86.9052

■ 53.7224, 27.9757,  
83.1508


■ 64.0773, 48.0239,  
88.6420


■ 52.7273, 26.1492,  
82.3141


■ 68.5585, 56.8192,  
90.6505


■ 52.2064, 25.2706,  
81.6375


■ 73.8944, 67.3235,  
92.9460


 52.1040, 25.1115,  
81.4628

 80.1272, 79.6208,  
95.5424

 87.2960, 93.7895,  
98.4528

 89.0363, 97.1004,  
99.5556

 89.1426, 97.1430,  
100.1158

 89.2494, 97.1857,  
100.6782

# Harmonies

## Analogous

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



45.7553, 35.1873, 132.6329



57.4925, 35.1873, 85.4230



62.6444, 35.1873, 40.4130

# Triad

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



57.4925, 35.1873, 85.4230



34.1699, 35.1873, 2.8039



16.7981, 35.1873, 79.4693

# Complementary

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



57.4925, 35.1873, 85.4230



40.4679, 68.1285, 25.2066

# 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.



15.1092, 35.1873, 36.2870



57.4925, 35.1873, 85.4230



23.5673, 35.1873, 4.4319

# Square

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



57.4925, 35.1873, 85.4230



47.3100, 35.1873, 4.9399



17.2573, 35.1873, 12.7842



22.5931, 35.1873, 127.9682



# Rectangle

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



57.4925, 35.1873, 85.4230



60.8958, 35.1873, 20.9631



17.2573, 35.1873, 12.7842



15.8035, 35.1873, 63.2853

# Sweetspot

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



57.4938, 35.1889, 85.4237



82.5458, 75.3120, 103.7440



27.1112, 19.4570, 87.1220



17.3940, 15.5795, 22.0892



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.



57.4938, 35.1889, 85.4237



61.2847, 33.7572, 93.6749



49.2822, 31.9043, 42.1825



17.1918, 16.7596, 20.7567



28.6053, 13.7855, 44.7572



2.5205, 1.2142, 3.9674



# Inverse Universe

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



57.4938, 35.1889, 85.4237



61.2847, 33.7572, 93.6749



45.5795, 70.1731, 52.1237



17.1918, 16.7596, 20.7567



28.6053, 13.7855, 44.7572



2.5205, 1.2142, 3.9674



# Previews

## White Background



This preview shows how the XYZ color 57.4925, 35.1873, 85.4230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

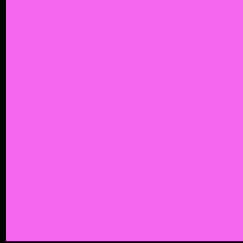
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.4925, 35.1873, 85.4230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

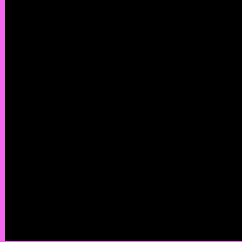
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.4925, 35.1873, 85.4230**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.4925, 35.1873, 85.4230.



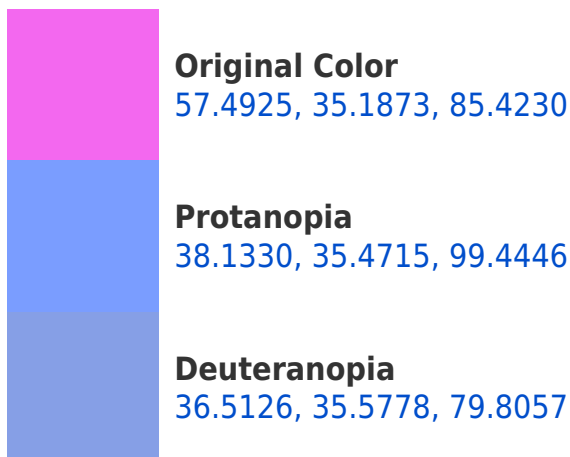
This preview shows how white text looks on a background with the XYZ color 57.4925, 35.1873,

85.4230.

# 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





## Tritanopia

45.6713, 34.8476, 29.1301

# Trichromacy



## Original Color

57.4925, 35.1873, 85.4230



## Protanomaly

41.9132, 33.1235, 93.8069



## Deuteranomaly

41.3962, 33.3471, 81.3456



## Tritanomaly

48.9348, 34.4715, 45.1488

# Monochromacy



## Original Color

57.4925, 35.1873, 85.4230



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

40.0492, 33.5067, 52.5007

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.4925, 35.1873, 85.4230 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(243, 104, 239)` looks like.

```
.text, #text, p{  
    color:rgb(243, 104, 239)  
}
```

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(243, 104, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 104, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 57.4925, 35.1873, 85.4230 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(243, 104, 239) }
```



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

```
.border{ border-color:rgb(243, 104, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 104, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 104, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 104, 239);  
box-shadow:4px 4px 4px 4px rgb(243, 104,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.4925, 35.1873, 85.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 104, 239) }
```

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

```
.background{ background-color: rgb(243,  
104, 239) }
```

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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