

# Converting Colors

XYZ(58.2081, 36.3131, 85.6935)

Have a look what the booklet for XYZ(58.2081, 36.3131, 85.6935) contains.

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# Color

**XYZ(58.3569, 36.4024,  
85.6120)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F46DEF
RGB	244, 109, 239
RGB Percent	96%, 43%, 94%
CMY	0.0431, 0.5725, 0.0627
CMYK	0.00, 0.55, 0.02, 0.04
HSL	302°, 86%, 69%
HSV	302°, 55%, 96%
XYZ	58.3569, 36.4024, 85.6120
YIQ	164.1850, 38.7300, 69.0500

# Conversions

## Conversions Part 2

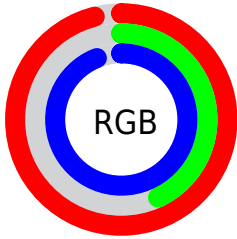
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">244, 109, 239</a>
Decimal	<a href="#">16018927</a>
CIELab	<a href="#">66.83, 67.96, -41.79</a>
CIELCh	<a href="#">67, 79.779, 328.409</a>
Yxy	<a href="#">36.4024, 0.3235, 0.2018</a>
Android (android.graphics.Color)	<a href="#">4294209007</a> (0xFFFF46DEF)
YUV	<a href="#">164.1850, 36.8838, 69.9978</a>
Hunter-Lab	<a href="#">60.3344, 67.0643, -41.8960</a>

# Details

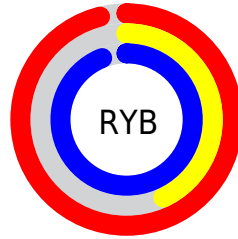
The XYZ color **58.3569, 36.4024, 85.6120** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **41.6963, 69.1690, 27.0751**, and the grayscale version is **35.1931, 37.0259, 40.3212**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **29.6531, 15.9298, 46.3116** is the 20% darker color. If you saturate the color by 10%, you get **55.9732, 31.8473, 84.1605**, and if you desaturate by 10%, it is **61.4661, 42.4056, 87.3093**.

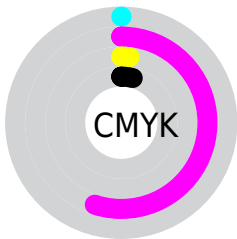
# Distribution



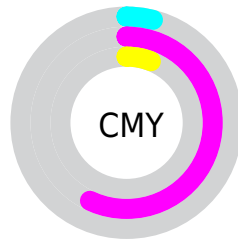
- Red (96%)
- Green (43%)
- Blue (94%)



- Red (96%)
- Yellow (43%)
- Blue (94%)



- Cyan (0%)
- Magenta (55%)
- Yellow (2%)
- Black (4%)




- Cyan (4%)
- Magenta (57%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3569, 36.4024, 85.6120 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 58.3569, 36.4024, 85.6120 by changing the saturation by 10% instead.



 58.3569, 36.4024,  
85.6120

 58.3569, 36.4024,  
85.6120


408.4470,  
330.7160, 533.8483

 42.3400, 24.7451,  
63.7941

 101.5624, 69.6527,  
143.1097

 29.5599, 15.8873,  
46.0388


 129.4817, 92.0145,  
179.6265

 19.6512, 9.4444,  
31.9276


 162.0992,  
118.7134, 221.8801

 12.2485, 5.0322,  
21.0418

199.7802,  
150.1336, 270.2890

 6.9866, 2.2662,  
12.9630

242.8902,  
186.6595, 325.2718

 3.5000, 0.7557,  
7.2727

291.7944,

 1.4233, 0.0000,

228.6756, 387.2468

3.5522

346.8582,  
276.5663, 456.6328

■ 0.2728, 0.0000,  
1.3830

■ 0.0000, 0.0000,  
0.1284

■ 58.3569, 36.4024,  
85.6120

■ 58.3569, 36.4024,  
85.6120

■ 55.9732, 31.8473,  
84.1605

■ 61.4661, 42.4056,  
87.3093

■ 54.2497, 28.6124,  
82.9321


■ 65.3513, 49.9606,  
89.2682


■ 53.1161, 26.5564,  
81.9035


■ 70.0630, 59.1676,  
91.5059


■ 52.4843, 25.5026,  
81.0455


■ 75.6463, 70.1167,  
94.0374


 52.2988, 25.2294,  
80.6822

 82.1431, 82.8918,  
96.8768

 89.4624, 97.3108,  
99.9937

 89.6003, 97.3660,  
100.7201

 89.7390, 97.4215,  
101.4500

 89.8783, 97.4772,  
102.1835

# Harmonies

## Analogous

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



46.8498, 36.4024, 131.4789



58.3569, 36.4024, 85.6120



63.3506, 36.4024, 41.5086

# Triad

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



58.3569, 36.4024, 85.6120



35.2472, 36.4024, 3.4123



17.9449, 36.4024, 80.3857

# Complementary

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



58.3569, 36.4024, 85.6120



41.6963, 69.1690, 27.0751

# 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.



16.2068, 36.4024, 37.8206



58.3569, 36.4024, 85.6120



24.6955, 36.4024, 5.2152

# Square

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



58.3569, 36.4024, 85.6120



48.2279, 36.4024, 5.7068



18.3637, 36.4024, 14.0278



23.8156, 36.4024, 127.4202



# Rectangle

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



58.3569, 36.4024, 85.6120



61.6037, 36.4024, 22.1409



18.3637, 36.4024, 14.0278



16.9278, 36.4024, 64.5337

# Sweetspot

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



58.3582, 36.4041, 85.6127



82.4886, 75.2892, 103.4426



28.6741, 21.0148, 88.1342



17.3803, 15.5740, 22.0171



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.



58.3582, 36.4041, 85.6127



61.6862, 34.8528, 92.9068



50.2249, 33.1507, 42.7834



17.1856, 16.7571, 20.7237



28.4486, 13.7229, 43.9320



2.5085, 1.2094, 3.9041



# Inverse Universe

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



58.3582, 36.4041, 85.6127



61.6862, 34.8528, 92.9068



46.9995, 71.2903, 55.0014



17.1856, 16.7571, 20.7237



28.4486, 13.7229, 43.9320



2.5085, 1.2094, 3.9041



# Previews

## White Background



This preview shows how the XYZ color 58.3569, 36.4024, 85.6120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

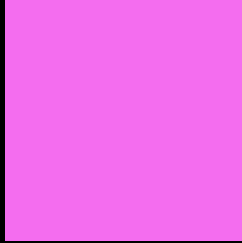
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3569, 36.4024, 85.6120 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 58.3569, 36.4024, 85.6120**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3569, 36.4024, 85.6120.



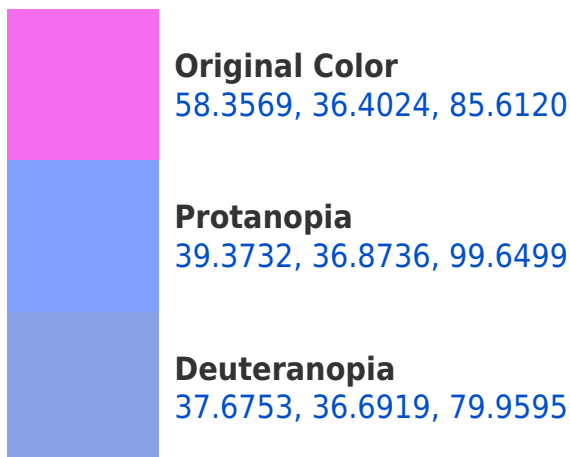
This preview shows how white text looks on a background with the XYZ color 58.3569, 36.4024,

85.6120.

# 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

47.0873, 36.3570, 30.5224

# Trichromacy



## Original Color

58.3569, 36.4024, 85.6120



## Protanomaly

43.2013, 34.4354, 93.9923



## Deuteranomaly

42.5124, 34.5763, 81.5240



## Tritanomaly

50.2945, 35.8861, 46.3954

# Monochromacy



## Original Color

58.3569, 36.4024, 85.6120



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

41.3695, 35.0456, 53.8743

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3569, 36.4024, 85.6120 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(244, 109, 239)` looks like.

```
.text, #text, p{  
    color:rgb(244, 109, 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(244, 109, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 109, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3569, 36.4024, 85.6120 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(244, 109, 239) }
```



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

```
.border{ border-color:rgb(244, 109, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 109, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 109, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 109, 239);  
box-shadow:4px 4px 4px 4px rgb(244, 109,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3569, 36.4024, 85.6120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 109, 239) }
```

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

```
.background{ background-color: rgb(244,  
109, 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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