

# Converting Colors

XYZ(58.9545, 36.8521, 81.9295)

Have a look what the booklet for  
XYZ(58.9545, 36.8521, 81.9295)  
contains.

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# Color

**XYZ(59.0313, 36.8343,  
81.8403)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F86DEA
RGB	248, 109, 234
RGB Percent	97%, 43%, 92%
CMY	0.0274, 0.5725, 0.0824
CMYK	0.00, 0.56, 0.06, 0.03
HSL	306°, 91%, 70%
HSV	306°, 56%, 97%
XYZ	59.0313, 36.8343, 81.8403
YIQ	164.8110, 42.7190, 68.3430

# Conversions

## Conversions Part 2

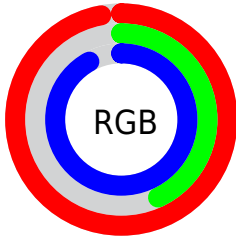
Format	Color
<a href="#">RYB</a>	<a href="#">248, 109, 234</a>
Decimal	<a href="#">16281066</a>
CIELab	<a href="#">67.15, 68.18, -38.48</a>
CIElCh	<a href="#">67, 78.289, 330.562</a>
Yxy	<a href="#">36.8343, 0.3322, 0.2073</a>
Android (android.graphics.Color)	<a href="#">4294471146 (0xFFF86DEA)</a>
YUV	<a href="#">164.8110, 34.1102, 72.9568</a>
Hunter-Lab	<a href="#">60.6913, 67.4081, -37.4668</a>

# Details

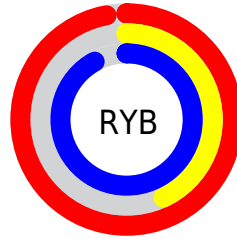
The XYZ color **59.0313, 36.8343, 81.8403** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.4509, 71.8174, 30.3135**, and the grayscale version is **35.5028, 37.3517, 40.6760**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **30.1205, 16.2298, 43.6646** is the 20% darker color. If you saturate the color by 10%, you get **56.3931, 32.1275, 79.2029**, and if you desaturate by 10%, it is **62.4232, 43.0388, 84.7545**.

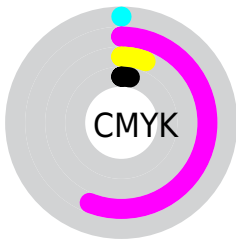
# Distribution



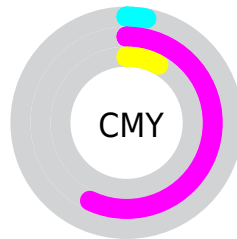
- Red (97%)
- Green (43%)
- Blue (92%)



- Red (97%)
- Yellow (43%)
- Blue (92%)



- Cyan (0%)
- Magenta (56%)
- Yellow (6%)
- Black (3%)



- Cyan (3%)
- Magenta (57%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0313, 36.8343, 81.8403 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 59.0313, 36.8343, 81.8403 by changing the saturation by 10% instead.



59.0313, 36.8343,  
81.8403

59.0313, 36.8343,  
81.8403

410.9101,  
332.5926, 520.9828

42.8848, 25.0792,  
60.6989

102.5375, 70.3179,  
137.7847

29.9889, 16.1361,  
43.5532

130.6279, 92.8151,  
173.4247

19.9782, 9.6205,  
29.9848

163.4304,  
119.6619, 214.7347

12.4873, 5.1481,  
19.5751

201.3102,  
151.2427, 262.1332

7.1510, 2.3344,  
11.9056

244.6327,  
187.9417, 316.0387

3.6039, 0.7918,  
6.5576

293.7633,

1.4806, 0.0000,

230.1434, 376.8698

3.1128

349.0673,  
278.2322, 445.0449

■ 0.3126, 0.0000,  
1.1525

■ 0.0000, 0.0000,  
0.0000

■ 59.0313, 36.8343,  
81.8403

■ 59.0313, 36.8343,  
81.8403

■ 56.3931, 32.1275,  
79.2029

■ 62.4232, 43.0388,  
84.7545

■ 54.4402, 28.7840,  
76.8186

■ 66.6220, 50.8499,  
87.9625

■ 53.0984, 26.6546,  
74.6626

■ 71.6807, 60.3725,  
91.4822

■ 52.2739, 25.5518,  
72.7038

■ 77.6464, 71.7009,  
95.3295

52.0339, 25.2855,  
71.9647

84.5629, 84.9228,  
99.5191

91.5690, 98.3155,  
103.7641

91.9613, 98.4725,  
105.8300

92.3588, 98.6315,  
107.9234

92.5218, 98.6967,  
108.7817

# Harmonies

## Analogous

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



48.0187, 36.8343, 127.4546



59.0313, 36.8343, 81.8403



63.3260, 36.8343, 39.4652

# Triad

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



59.0313, 36.8343, 81.8403



34.7853, 36.8343, 3.7518



18.7379, 36.8343, 83.6494

# Complementary

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



59.0313, 36.8343, 81.8403



43.4509, 71.8174, 30.3135

# 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.



16.7152, 36.8343, 40.7543



59.0313, 36.8343, 81.8403



24.5923, 36.8343, 5.9636

# Square

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



59.0313, 36.8343, 81.8403



47.5391, 36.8343, 5.7845



18.5899, 36.8343, 15.7057



24.9016, 36.8343, 128.8528



# Rectangle

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



59.0313, 36.8343, 81.8403



61.1826, 36.8343, 21.1728



18.5899, 36.8343, 15.7057



17.6233, 36.8343, 67.8916

# Sweetspot

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



59.0326, 36.8360, 81.8410



82.0509, 75.1141, 101.1380



30.5679, 21.9202, 91.4278



17.2757, 15.5322, 21.4666



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.



59.0326, 36.8360, 81.8410



59.8238, 33.7847, 84.0958



50.9368, 33.5977, 39.2093



17.9133, 17.4927, 21.3989



28.1386, 13.6711, 39.0337



2.6272, 1.2746, 3.7264



# Inverse Universe

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



59.0326, 36.8360, 81.8410



59.8238, 33.7847, 84.0958



49.4345, 74.2109, 61.8226



17.9133, 17.4927, 21.3989



28.1386, 13.6711, 39.0337



2.6272, 1.2746, 3.7264



# Previews

## White Background



This preview shows how the XYZ color 59.0313, 36.8343, 81.8403 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

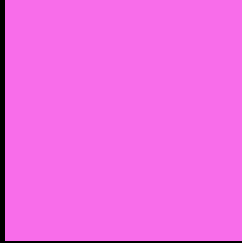
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.0313, 36.8343, 81.8403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

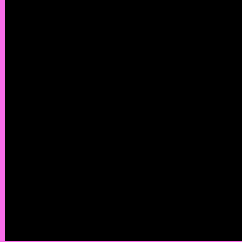
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.0313, 36.8343, 81.8403**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.0313, 36.8343, 81.8403.



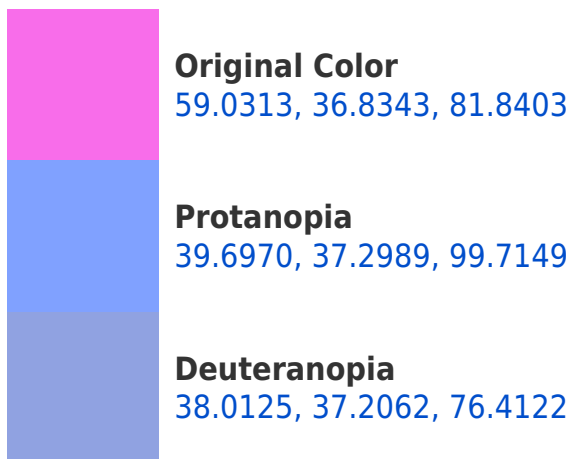
This preview shows how white text looks on a background with the XYZ color 59.0313, 36.8343,



# 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

48.3936, 36.6327, 30.1114

# Trichromacy



## Original Color

59.0313, 36.8343, 81.8403



## Protanomaly

43.4748, 34.8321, 92.4276



## Deuteranomaly

43.1175, 35.1914, 77.9189



## Tritanomaly

51.5635, 36.3877, 44.8633

# Monochromacy



## Original Color

59.0313, 36.8343, 81.8403



## Achromatopsia

35.7637, 37.6262, 40.9749



## Achromatomaly

41.9253, 35.5706, 53.3713

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.0313, 36.8343, 81.8403 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(248, 109, 234)` looks like.

```
.text, #text, p{  
    color:rgb(248, 109, 234)  
}
```

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(248, 109, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 109, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 59.0313, 36.8343, 81.8403 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(248, 109, 234) }
```



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

```
.border{ border-color:rgb(248, 109, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 109, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 109, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 109, 234);  
box-shadow:4px 4px 4px 4px rgb(248, 109,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.0313, 36.8343, 81.8403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 109, 234) }
```

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

```
.background{ background-color: rgb(248,  
109, 234) }
```

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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