

Converting Colors

XYZ(66.6253, 39.3312, 81.2458)

Have a look what the booklet for
XYZ(66.6253, 39.3312, 81.2458)
contains.

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Color

**XYZ(60.4098, 36.0669,
80.8684)**

Conversions

Conversions Part 1	
Format	Color
Hex	FF63E9
RGB	255, 99, 233
RGB Percent	100%, 39%, 91%
CMY	0.0000, 0.6117, 0.0863
CMYK	0.00, 0.61, 0.09, 0.00
HSL	308°, 100%, 69%
HSV	308°, 61%, 100%
XYZ	60.4098, 36.0669, 80.8684
YIQ	160.9200, 49.9620, 74.7460

Conversions

Conversions Part 2

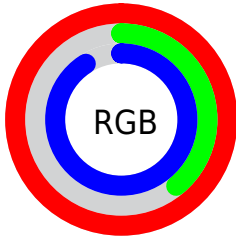
Format	Color
RYB	255, 99, 233
Decimal	16737257
CIELab	66.57, 73.98, -38.76
CIELCh	67, 83.520, 332.351
Yxy	36.0669, 0.3406, 0.2034
Android (android.graphics.Color)	4294927337 (0xFFFF63E9)
YUV	160.9200, 35.5354, 82.5082
Hunter-Lab	60.0557, 74.4549, -37.7983

Details

The XYZ color **60.4098, 36.0669, 80.8684** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.3581, 75.5538, 30.3370**, and the grayscale version is **33.6647, 35.4179, 38.5701**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **30.9058, 15.7050, 42.9974** is the 20% darker color. If you saturate the color by 10%, you get **57.8554, 31.7719, 77.5083**, and if you desaturate by 10%, it is **63.7387, 41.8938, 84.5392**.

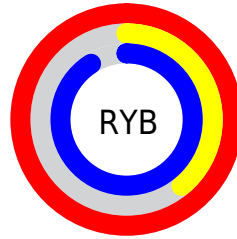
Distribution



Red (100%)

Green (39%)

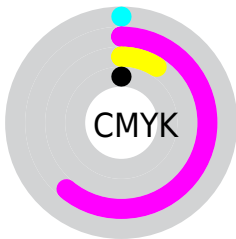
Blue (91%)



Red (100%)

Yellow (39%)

Blue (91%)

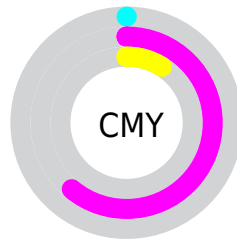


Cyan (0%)

Magenta (61%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.4098, 36.0669, 80.8684 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 60.4098, 36.0669, 80.8684 by changing the saturation by 10% instead.


 60.4098, 36.0669,
80.8684


 60.4098, 36.0669,
80.8684

415.9172,
329.2529, 517.6383


 43.9998, 24.4859,
59.9029

 104.5269, 69.1353,
136.4084


 30.8682, 15.6944,
42.9156

 132.9646, 91.3915,
171.8199

 20.6499, 9.3082,
29.4880


 166.1423,
117.9748, 212.8838

 12.9793, 4.9427,
19.2015

 204.4253,
149.2697, 260.0187

 7.4912, 2.2137,
11.6377

248.1789,
185.6606, 313.6430

 3.8202, 0.7275,
6.3780


297.7685,

 1.6009, 0.0000,


227.5318, 374.1754


3.0038


353.5595,
275.2678, 442.0343

 0.3930, 0.0000,
1.0966

 0.0000, 0.0000,
0.0000


 60.4098, 36.0669,
80.8684


 60.4098, 36.0669,
80.8684


 57.8554, 31.7719,
77.5083


 63.7387, 41.8938,
84.5392

 55.9984, 28.8550,
74.4316


 67.9045, 49.3780,
88.5404


 54.7499, 27.1387,
71.6088

 72.9662, 58.6369,
92.8926

 54.0311, 26.3764,
69.2871

 78.9766, 69.7762,
97.6136

 85.9844, 82.8932,
102.7199

 94.0350, 98.0786,
108.2269

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



48.8840, 36.0669, 131.3774



60.4098, 36.0669, 80.8684



64.4893, 36.0669, 36.5029

Triad

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



60.4098, 36.0669, 80.8684



33.2999, 36.0669, 2.7831



17.6676, 36.0669, 89.0810

Complementary

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



60.4098, 36.0669, 80.8684



44.3581, 75.5538, 30.3370

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.



15.3793, 36.0669, 42.1750



60.4098, 36.0669, 80.8684



22.9203, 36.0669, 5.0394

Square

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



60.4098, 36.0669, 80.8684



46.7435, 36.0669, 4.3519



17.0387, 36.0669, 15.1366



24.2566, 36.0669, 137.8225

Rectangle

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



60.4098, 36.0669, 80.8684



61.7956, 36.0669, 18.4147



17.0387, 36.0669, 15.1366



16.4540, 36.0669, 71.8545

Sweetspot

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



60.4106, 36.0684, 80.8691



81.0901, 73.7201, 99.1915



30.2316, 20.1244, 96.8988



16.9410, 15.0034, 20.9210



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.



60.4106, 36.0684, 80.8691



57.4665, 31.1409, 76.9259



51.7207, 32.5924, 35.1086



18.6760, 18.2537, 22.1769



28.2748, 13.7992, 36.4271



2.7820, 1.3552, 3.6992

Inverse Universe

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



60.4106, 36.0684, 80.8691



57.4665, 31.1409, 76.9259



51.0768, 78.2412, 65.7170



18.6760, 18.2537, 22.1769



28.2748, 13.7992, 36.4271



2.7820, 1.3552, 3.6992

Previews

White Background



This preview shows how the XYZ color 60.4098, 36.0669, 80.8684 looks on a white background.

Color Contrast Check

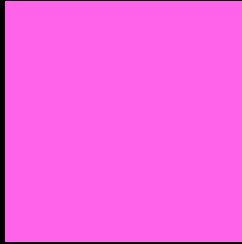
Large Text (above 18pt) WCAG AA × Fail

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 60.4098, 36.0669, 80.8684 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 60.4098, 36.0669, 80.8684

Background



This preview shows how black text looks on a background with the XYZ color 60.4098, 36.0669, 80.8684.



This preview shows how white text looks on a background with the XYZ color 60.4098, 36.0669,

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

60.4098, 36.0669, 80.8684

Protanopia

38.9056, 36.3762, 99.5785

Deuteranopia



37.2178, 36.3090, 74.8588





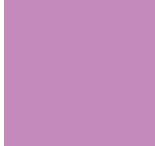
Tritanopia

49.1423, 35.9041, 27.2618

Trichromacy

	Original Color 60.4098, 36.0669, 80.8684
	Protanomaly 42.7474, 33.3774, 92.1851
	Deuteranomaly 42.7208, 33.9134, 76.9673
	Tritanomaly 52.3075, 35.3875, 42.6016

Monochromacy

	Original Color 60.4098, 36.0669, 80.8684
	Achromatopsia 33.8758, 35.6400, 38.8120
	Achromatomaly 40.5638, 33.3669, 51.3162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.4098, 36.0669, 80.8684 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(255, 99, 233) looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 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(255, 99, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 233) }
```

Border

The CSS property to change the border of an element to XYZ 60.4098, 36.0669, 80.8684 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(255, 99, 233) }
```


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

```
.border{ border-color:rgb(255, 99, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 60.4098, 36.0669, 80.8684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 233) }
```

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

```
.background{ background-color: rgb(255, 99,  
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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