

Converting Colors

XYZ(57.6142, 35.4119, 64.7189)

Have a look what the booklet for
XYZ(57.6142, 35.4119, 64.7189)
contains.

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Color

**XYZ(57.6242, 35.4159,
64.7716)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66D2
RGB	255, 102, 210
RGB Percent	100%, 40%, 82%
CMY	0.0000, 0.6000, 0.1765
CMYK	0.00, 0.60, 0.18, 0.00
HSL	318°, 100%, 70%
HSV	318°, 60%, 100%
XYZ	57.6242, 35.4159, 64.7716
YIQ	160.0590, 56.5200, 66.0240

Conversions

Conversions Part 2

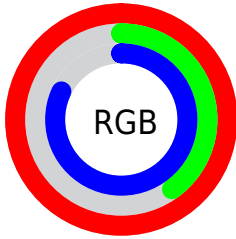
Format	Color
R _Y B	255, 102, 210
Decimal	16738002
CIE _{Lab}	66.07, 69.43, -26.70
CIE _{LCh}	66, 74.383, 338.962
Y _{xy}	35.4159, 0.3651, 0.2244
Android (android.graphics.Color)	4294928082 (0xFFFF66D2)
YUV	160.0590, 24.6209, 83.2633
Hunter-Lab	59.5113, 68.6952, -22.8729

Details

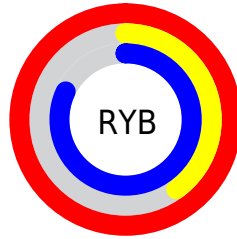
The XYZ color **57.6242, 35.4159, 64.7716** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.5075, 76.4521, 39.9124**, and the grayscale version is **33.3141, 35.0491, 38.1684**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **29.1152, 15.3549, 32.4396** is the 20% darker color. If you saturate the color by 10%, you get **54.5796, 30.7872, 59.2541**, and if you desaturate by 10%, it is **61.4848, 41.6062, 70.7780**.

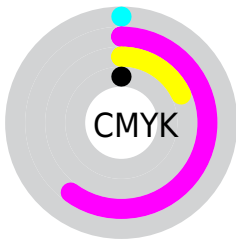
Distribution



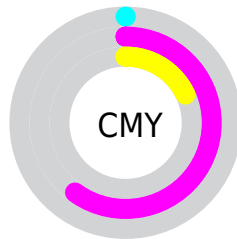
- Red (100%)
- Green (40%)
- Blue (82%)



- Red (100%)
- Yellow (40%)
- Blue (82%)



- Cyan (0%)
- Magenta (60%)
- Yellow (18%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.6242, 35.4159, 64.7716 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 57.6242, 35.4159, 64.7716 by changing the saturation by 10% instead.


 57.6242, 35.4159,
64.7716


 57.6242, 35.4159,
64.7716

405.7606,
326.4003, 460.2545


 41.7487, 23.9834,
46.8257


 100.5015, 68.1296,
113.3316


 29.0948, 15.3213,
32.5446


 128.2340, 90.1795,
144.7827

 19.2972, 9.0452,
21.5095


 160.6496,
116.5375, 181.5727

 11.9905, 4.7707,
13.3021

 198.1136,
147.5878, 224.1201

 6.8094, 2.1133,
7.5037

240.9913,
183.7148, 272.8435

 3.3884, 0.6721,
3.6959

289.6482,

 1.3623, 0.0000,

225.3030, 328.1613

1.4600

344.4495,
272.7367, 390.4921

■ 0.2292, 0.0000,
0.1879

■ 0.0000, 0.0000,
0.0000

■ 57.6242, 35.4159,
64.7716

■ 57.6242, 35.4159,
64.7716

■ 54.5796, 30.7872,
59.2541

■ 61.4848, 41.6062,
70.7780

■ 52.2745, 27.5685,
54.1959

■ 66.2233, 49.4815,
77.2956

■ 50.6218, 25.5865,
49.5653

■ 71.8985, 59.1581,
84.3472

■ 49.4783, 24.5554,
45.3116

■ 78.5633, 70.7410,
91.9531

■ 49.4779, 24.5552,
45.3103

■ 86.2662, 84.3267,
100.1324

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.



48.8570, 35.4159, 107.8084



57.6242, 35.4159, 64.7716



59.2946, 35.4159, 29.8431

Triad

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



57.6242, 35.4159, 64.7716



30.4611, 35.4159, 4.2846



19.7033, 35.4159, 90.8335

Complementary

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



57.6242, 35.4159, 64.7716



46.5075, 76.4521, 39.9124

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.



16.7419, 35.4159, 48.8322



57.6242, 35.4159, 64.7716



21.9973, 35.4159, 7.9706

Square

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



57.6242, 35.4159, 64.7716



41.8743, 35.4159, 5.0963



17.4782, 35.4159, 20.5915



26.5999, 35.4159, 127.7228

Rectangle

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



57.6242, 35.4159, 64.7716



55.8677, 35.4159, 15.9743



17.4782, 35.4159, 20.5915



18.2916, 35.4159, 76.1408

Sweetspot

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



57.6251, 35.4175, 64.7723



80.0169, 73.2908, 93.5400



34.5420, 22.7765, 97.1835



16.6764, 14.8976, 19.5281



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.



57.6251, 35.4175, 64.7723



54.0611, 30.0345, 58.2049



50.3764, 32.5180, 26.6009



18.5516, 18.2040, 21.5219



25.9218, 12.8580, 24.0365



2.5718, 1.2711, 2.5923

Inverse Universe

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



57.6251, 35.4175, 64.7723



54.0611, 30.0345, 58.2049



54.4054, 79.6112, 81.5022



18.5516, 18.2040, 21.5219



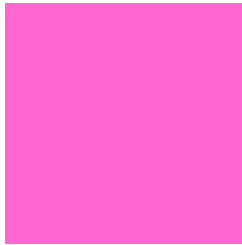
25.9218, 12.8580, 24.0365



2.5718, 1.2711, 2.5923

Previews

White Background



This preview shows how the XYZ color 57.6242, 35.4159, 64.7716 looks on a white background.

Color Contrast Check

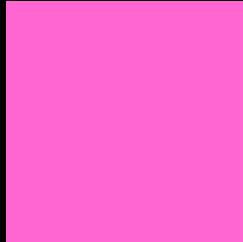
Large Text (above 18pt) WCAG AA × Fail

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 57.6242, 35.4159, 64.7716 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 57.6242, 35.4159, 64.7716

Background



This preview shows how black text looks on a background with the XYZ color 57.6242, 35.4159, 64.7716.



This preview shows how white text looks on a background with the XYZ color 57.6242, 35.4159,

64.7716.

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

57.6242, 35.4159, 64.7716

Protanopia

38.5737, 35.9695, 98.6757

Deuteranopia

36.4798, 35.7387, 60.2339



Tritanopia

49.3466, 35.3049, 25.3328

Trichromacy



Original Color

57.6242, 35.4159, 64.7716



Protanomaly

41.5344, 33.1207, 85.0927



Deuteranomaly

41.7258, 33.7431, 61.4406



Tritanomaly

51.8131, 35.0887, 36.8428

Monochromacy



Original Color

57.6242, 35.4159, 64.7716



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

39.7742, 33.2817, 46.4472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6242, 35.4159, 64.7716 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, 102, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 210)  
}
```

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, 102, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 210) }
```

Border

The CSS property to change the border of an element to XYZ 57.6242, 35.4159, 64.7716 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, 102, 210) }
```


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

```
.border{ border-color:rgb(255, 102, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6242, 35.4159, 64.7716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 210) }
```

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

```
.background{ background-color: rgb(255,  
102, 210) }
```

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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