

Converting Colors

XYZ(58.2006, 35.9647, 66.8252)

Have a look what the booklet for
XYZ(58.2006, 35.9647, 66.8252)
contains.

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Color

**XYZ(58.2006, 35.9647,
66.8252)**

Conversions

Conversions Part 1

Format	Color
Hex	FF68D5
RGB	255, 104, 213
RGB Percent	100%, 41%, 84%
CMY	0.0000, 0.5921, 0.1647
CMYK	0.00, 0.59, 0.16, 0.00
HSL	317°, 100%, 70%
HSV	317°, 59%, 100%
XYZ	58.2006, 35.9647, 66.8252
YIQ	161.5750, 55.0070, 65.9110

Conversions

Conversions Part 2

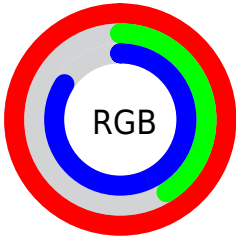
Format	Color
R _Y B	255, 104, 213
Decimal	16738517
CIE Lab	66.49, 69.01, -27.73
CIE LCh	66, 74.378, 338.106
Yxy	35.9647, 0.3615, 0.2234
Android (android.graphics.Color)	4294928597 (0xFFFF68D5)
YUV	161.5750, 25.3525, 81.9337
Hunter-Lab	59.9706, 68.2832, -24.0874

Details

The XYZ color **58.2006, 35.9647, 66.8252** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.6586, 76.5390, 39.5113**, and the grayscale version is **34.0128, 35.7841, 38.9689**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **29.4702, 15.6566, 33.8165** is the 20% darker color. If you saturate the color by 10%, you get **55.1300, 31.2329, 61.4567**, and if you desaturate by 10%, it is **62.0879, 42.2668, 72.6611**.

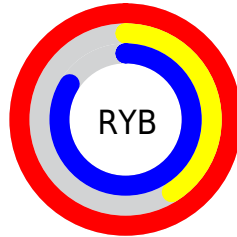
Distribution



Red (100%)

Green (41%)

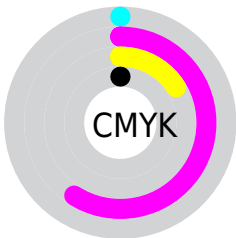
Blue (84%)



Red (100%)

Yellow (41%)

Blue (84%)

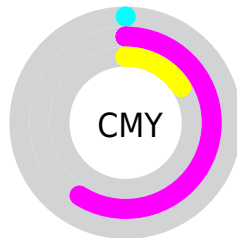


Cyan (0%)

Magenta (59%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2006, 35.9647, 66.8252 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 58.2006, 35.9647, 66.8252 by changing the saturation by 10% instead.


 58.2006, 35.9647,
66.8252


 58.2006, 35.9647,
66.8252

407.8748,
328.8062, 467.8069


 42.2138, 24.4069,
48.4819


 101.3362, 68.9776,
116.3082


 29.4606, 15.6358,
33.8460


 129.2158, 91.2015,
148.2849

 19.5756, 9.2668,
22.4989


 161.7903,
117.7495, 185.6432

 12.1934, 4.9156,
14.0221

 199.4251,
149.0062, 228.8016

 6.9486, 2.1978,
7.9971

242.4856,
185.3558, 278.1786

 3.4760, 0.7188,
4.0054

291.3372,

 1.4102, 0.0000,

227.1827, 334.1928

1.6283

346.3451,
274.8714, 397.2627

■ 0.2635, 0.0000,
0.3109

■ 0.0000, 0.0000,
0.0000

■ 58.2006, 35.9647,
66.8252

■ 58.2006, 35.9647,
66.8252

■ 55.1300, 31.2329,
61.4567

■ 62.0879, 42.2668,
72.6611

■ 52.8007, 27.9218,
56.5267

■ 66.8535, 50.2615,
78.9860

■ 51.1273, 25.8608,
52.0047

■ 72.5554, 60.0644,
85.8221

■ 49.9796, 24.7907,
47.8447

■ 79.2460, 71.7794,
93.1892

■ 49.8991, 24.7236,
47.5283

■ 86.9738, 85.5026,
101.1056

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.



49.2038, 35.9647, 110.1207



58.2006, 35.9647, 66.8252



60.1218, 35.9647, 31.1198

Triad

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



58.2006, 35.9647, 66.8252



31.2469, 35.9647, 4.3927



19.9299, 35.9647, 90.6234

Complementary

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



58.2006, 35.9647, 66.8252



46.6586, 76.5390, 39.5113

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.



17.0408, 35.9647, 48.4767



58.2006, 35.9647, 66.8252



22.5807, 35.9647, 7.9818

Square

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



58.2006, 35.9647, 66.8252



42.8224, 35.9647, 5.3417



17.8926, 35.9647, 20.4279



26.7922, 35.9647, 128.2969

Rectangle

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



58.2006, 35.9647, 66.8252



56.8110, 35.9647, 16.7619



17.8926, 35.9647, 20.4279



18.5383, 35.9647, 75.8176

Sweetspot

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



58.2014, 35.9663, 66.8259



80.1270, 73.3348, 94.1196



34.5503, 23.0760, 97.2408



16.7035, 14.9084, 19.6705



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.



58.2014, 35.9663, 66.8259



54.6615, 30.5413, 60.5441



50.8688, 33.0332, 28.2128



18.5645, 18.2091, 21.5896



26.1401, 12.9453, 25.1858



2.5916, 1.2790, 2.6969

Inverse Universe

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



58.2014, 35.9663, 66.8259



54.6615, 30.5413, 60.5441



54.3574, 79.6185, 80.0524



18.5645, 18.2091, 21.5896



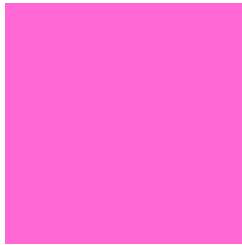
26.1401, 12.9453, 25.1858



2.5916, 1.2790, 2.6969

Previews

White Background



This preview shows how the XYZ color 58.2006, 35.9647, 66.8252 looks on a white background.

Color Contrast Check

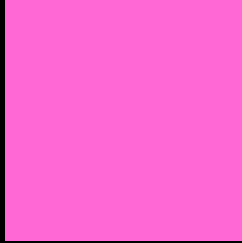
Large Text (above 18pt) WCAG AA × Fail

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 58.2006, 35.9647, 66.8252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

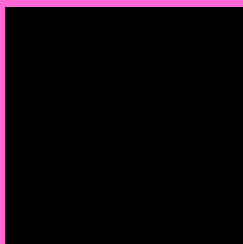
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.2006, 35.9647, 66.8252

Background



This preview shows how black text looks on a background with the XYZ color 58.2006, 35.9647, 66.8252.



This preview shows how white text looks on a background with the XYZ color 58.2006, 35.9647,

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

58.2006, 35.9647, 66.8252

Protanopia

39.0523, 36.4519, 99.5854

Deuteranopia

37.0075, 36.2238, 62.1681



Tritanopia

49.7991, 35.8829, 26.4917

Trichromacy



Original Color

58.2006, 35.9647, 66.8252



Protanomaly

42.1944, 33.6407, 86.7075



Deuteranomaly

42.2333, 34.1767, 63.4023



Tritanomaly

52.3072, 35.6552, 38.3077

Monochromacy



Original Color

58.2006, 35.9647, 66.8252



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

40.6303, 34.1217, 48.1608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2006, 35.9647, 66.8252 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, 104, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 213)  
}
```

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, 104, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 213) }
```

Border

The CSS property to change the border of an element to XYZ 58.2006, 35.9647, 66.8252 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, 104, 213) }
```


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

```
.border{ border-color:rgb(255, 104, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 104, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2006, 35.9647, 66.8252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 213) }
```

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

```
.background{ background-color: rgb(255,  
104, 213) }
```

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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