

Converting Colors

XYZ(58.0121, 35.5710, 66.8138)

Have a look what the booklet for
XYZ(58.0121, 35.5710, 66.8138)
contains.

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Color

**XYZ(58.0016, 35.5668,
66.7589)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66D5
RGB	255, 102, 213
RGB Percent	100%, 40%, 84%
CMY	0.0000, 0.6000, 0.1647
CMYK	0.00, 0.60, 0.16, 0.00
HSL	316°, 100%, 70%
HSV	316°, 60%, 100%
XYZ	58.0016, 35.5668, 66.7589
YIQ	160.4010, 55.5570, 66.9570

Conversions

Conversions Part 2

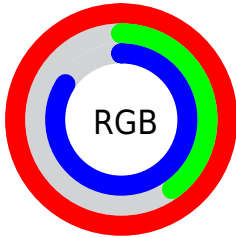
Format	Color
R _Y B	255, 102, 213
Decimal	16738005
CIE Lab	66.19, 69.85, -28.20
CIE LCh	66, 75.325, 338.010
Yxy	35.5668, 0.3618, 0.2218
Android (android.graphics.Color)	4294928085 (0xFFFF66D5)
YUV	160.4010, 25.9313, 82.9633
Hunter-Lab	59.6379, 69.2361, -24.6229

Details

The XYZ color **58.0016, 35.5668, 66.7589** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.2749, 76.3591, 38.6882**, and the grayscale version is **33.4660, 35.2089, 38.3424**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **29.3388, 15.3939, 33.7727** is the 20% darker color. If you saturate the color by 10%, you get **55.0002, 30.9554, 61.4690**, and if you desaturate by 10%, it is **61.8135, 41.7376, 72.5090**.

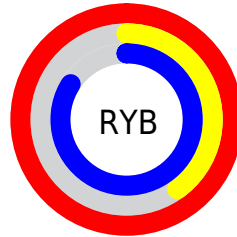
Distribution



Red (100%)

Green (40%)

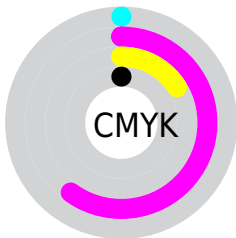
Blue (84%)



Red (100%)

Yellow (40%)

Blue (84%)

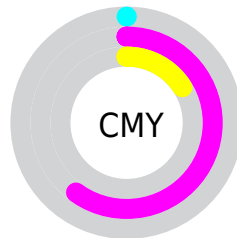


Cyan (0%)

Magenta (60%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0016, 35.5668, 66.7589 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 58.0016, 35.5668, 66.7589 by changing the saturation by 10% instead.


 58.0016, 35.5668,
66.7589


 58.0016, 35.5668,
66.7589


407.1457,
327.0631, 467.5642


 42.0532, 24.0998,
48.4284


 101.0481, 68.3629,
116.2122

 29.3342, 15.4077,
33.8038


 128.8770, 90.4608,
148.1721

 19.4794, 9.1060,
22.4668

 161.3967,
116.8712, 185.5122

 12.1232, 4.8104,
13.9987

 198.9726,
147.9783, 228.6510

 6.9004, 2.1364,
7.9810

241.9701,
184.1667, 278.0070

 3.4457, 0.6850,
3.9952

290.7546,

 1.3936, 0.0000,

225.8207, 333.9989

1.6227

345.6913,
273.3247, 397.0451

■ 0.2517, 0.0000,
0.3070

■ 0.0000, 0.0000,
0.0000

■ 58.0016, 35.5668,
66.7589

■ 58.0016, 35.5668,
66.7589

■ 55.0002, 30.9554,
61.4690

■ 61.8135, 41.7376,
72.5090

■ 52.7330, 27.7519,
56.6103

■ 66.4978, 49.5911,
78.7411

■ 51.1130, 25.7829,
52.1518

■ 72.1131, 59.2438,
85.4774

■ 49.9970, 24.7629,
48.0434

■ 78.7121, 70.8004,
92.7376

■ 49.9967, 24.7627,
48.0422

■ 86.3436, 84.3574,
100.5403

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.



48.8988, 35.5668, 110.6096



58.0016, 35.5668, 66.7589



59.9703, 35.5668, 30.7421

Triad

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



58.0016, 35.5668, 66.7589



30.8884, 35.5668, 4.1141



19.5024, 35.5668, 90.5637

Complementary

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



58.0016, 35.5668, 66.7589



46.2749, 76.3591, 38.6882

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.



16.6322, 35.5668, 47.9852



58.0016, 35.5668, 66.7589



22.1890, 35.5668, 7.6019

Square

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



58.0016, 35.5668, 66.7589



42.5395, 35.5668, 5.0499



17.4932, 35.5668, 19.8991



26.3566, 35.5668, 128.8538

Rectangle

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



58.0016, 35.5668, 66.7589



56.6406, 35.5668, 16.3611



17.4932, 35.5668, 19.8991



18.1174, 35.5668, 75.5720

Sweetspot

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



58.0025, 35.5684, 66.7596



80.1521, 73.3449, 94.2519



34.0962, 22.5466, 97.1626



16.7097, 14.9109, 19.7030



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.



58.0025, 35.5684, 66.7596



54.4898, 30.2059, 60.4621



50.5583, 32.5907, 27.5592



18.5674, 18.2103, 21.6051



26.1906, 12.9655, 25.4520



2.5962, 1.2809, 2.7210

Inverse Universe

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



58.0025, 35.5684, 66.7596



54.4898, 30.2059, 60.4621



54.0663, 79.4756, 79.7171



18.5674, 18.2103, 21.6051



26.1906, 12.9655, 25.4520



2.5962, 1.2809, 2.7210

Previews

White Background



This preview shows how the XYZ color 58.0016, 35.5668, 66.7589 looks on a white background.

Color Contrast Check

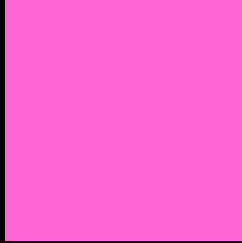
Large Text (above 18pt) WCAG AA × Fail

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 58.0016, 35.5668, 66.7589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

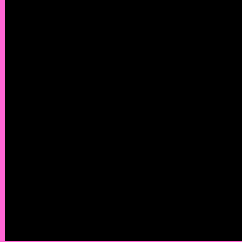
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.0016, 35.5668, 66.7589

Background



This preview shows how black text looks on a background with the XYZ color 58.0016, 35.5668, 66.7589.



This preview shows how white text looks on a background with the XYZ color 58.0016, 35.5668,

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

58.0016, 35.5668, 66.7589

Protanopia

38.7343, 36.0337, 99.5214

Deuteranopia

36.4524, 35.6834, 62.0931



Tritanopia

49.4140, 35.3319, 25.6881

Trichromacy



Original Color

58.0016, 35.5668, 66.7589



Protanomaly

41.8299, 33.2389, 86.6491



Deuteranomaly

41.8368, 33.7583, 63.3424



Tritanomaly

51.9881, 35.1587, 37.7644

Monochromacy



Original Color

58.0016, 35.5668, 66.7589



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

39.8750, 33.3220, 46.9780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0016, 35.5668, 66.7589 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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, 102, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 213) }
```

Border

The CSS property to change the border of an element to XYZ 58.0016, 35.5668, 66.7589 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, 213) }
```


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

```
.border{ border-color:rgb(255, 102, 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, 102, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0016, 35.5668, 66.7589 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, 213) }
```

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

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