

Converting Colors

XYZ(63.8145, 38.6232, 69.1370)

Have a look what the booklet for
XYZ(63.8145, 38.6232, 69.1370)
contains.

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Color

**XYZ(58.4849, 35.9184,
68.8162)**

Conversions

Conversions Part 1

Format	Color
Hex	FF67D8
RGB	255, 103, 216
RGB Percent	100%, 40%, 85%
CMY	0.0000, 0.5960, 0.1529
CMYK	0.00, 0.60, 0.15, 0.00
HSL	315°, 100%, 70%
HSV	315°, 60%, 100%
XYZ	58.4849, 35.9184, 68.8162
YIQ	161.3300, 54.3190, 67.3670

Conversions

Conversions Part 2

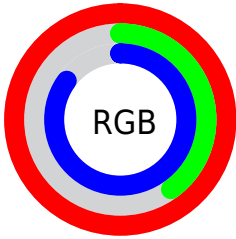
Format	Color
R _Y B	255, 103, 216
Decimal	16738264
CIE Lab	66.46, 69.86, -29.47
CIE LCh	66, 75.817, 337.129
Yxy	35.9184, 0.3583, 0.2201
Android (android.graphics.Color)	4294928344 (0xFFFF67D8)
YUV	161.3300, 26.9523, 82.1486
Hunter-Lab	59.9320, 69.3092, -26.1267

Details

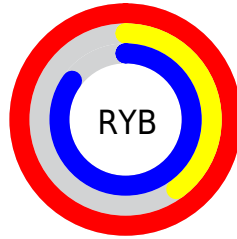
The XYZ color **58.4849, 35.9184, 68.8162** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.2375, 76.3573, 37.8956**, and the grayscale version is **33.8920, 35.6570, 38.8305**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **29.6642, 15.6263, 35.1709** is the 20% darker color. If you saturate the color by 10%, you get **55.4949, 31.2653, 63.7290**, and if you desaturate by 10%, it is **62.2834, 42.1344, 74.3399**.

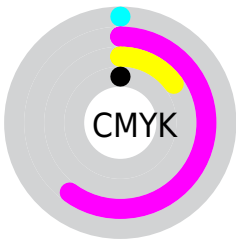
Distribution



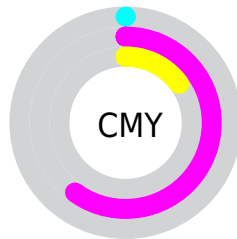
- Red (100%)
- Green (40%)
- Blue (85%)



- Red (100%)
- Yellow (40%)
- Blue (85%)



- Cyan (0%)
- Magenta (60%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4849, 35.9184, 68.8162 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 58.4849, 35.9184, 68.8162 by changing the saturation by 10% instead.


 58.4849, 35.9184,
68.8162

 58.4849, 35.9184,
68.8162


408.9152,
328.6037, 475.0588


 42.4434, 24.3712,
50.0912


 101.7476, 68.9061,
119.1842

 29.6412, 15.6092,
35.1142

 129.6994, 91.1154,
151.6644

 19.7132, 9.2480,
23.4666


 162.3521,
117.6474, 189.5666

 12.2938, 4.9033,
14.7299

 200.0709,
148.8867, 233.3096

 7.0177, 2.1906,
8.4855

243.2213,
185.2176, 283.3117

 3.5196, 0.7149,
4.3150

292.1686,

 1.4341, 0.0000,

227.0245, 339.9916

1.7997

347.2781,
274.6917, 403.7678

■ 0.2803, 0.0000,
0.4277

■ 0.0000, 0.0000,
0.0000

■ 58.4849, 35.9184,
68.8162

■ 58.4849, 35.9184,
68.8162

■ 55.4949, 31.2653,
63.7290

■ 62.2834, 42.1344,
74.3399

■ 53.2377, 28.0244,
59.0499

■ 66.9519, 50.0359,
80.3213

■ 51.6269, 26.0240,
54.7487

■ 72.5487, 59.7389,
86.7821

■ 50.5265, 24.9921,
50.7779

■ 79.1262, 71.3477,
93.7415

■ 50.4873, 24.9589,
50.6257

■ 86.7330, 84.9587,
101.2175

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.



49.0976, 35.9184, 113.2113



58.4849, 35.9184, 68.8162



60.7304, 35.9184, 31.8467

Triad

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



58.4849, 35.9184, 68.8162



31.4992, 35.9184, 4.0820



19.5152, 35.9184, 90.3384

Complementary

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



58.4849, 35.9184, 68.8162



46.2375, 76.3573, 37.8956

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.



16.7256, 35.9184, 47.3991



58.4849, 35.9184, 68.8162



22.5771, 35.9184, 7.4279

Square

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



58.4849, 35.9184, 68.8162



43.3541, 35.9184, 5.1463



17.7067, 35.9184, 19.4828



26.3326, 35.9184, 129.7267

Rectangle

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



58.4849, 35.9184, 68.8162



57.5083, 35.9184, 16.9535



17.7067, 35.9184, 19.4828



18.1532, 35.9184, 75.1408

Sweetspot

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



58.4858, 35.9200, 68.8169



80.2763, 73.3945, 94.9059



33.8866, 22.5854, 97.1811



16.7402, 14.9231, 19.8639



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.



58.4858, 35.9200, 68.8169



54.8904, 30.3662, 62.5720



50.8992, 32.8854, 28.8665



18.5819, 18.2161, 21.6813



26.4446, 13.0671, 26.7895



2.6192, 1.2900, 2.8420

Inverse Universe

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



58.4858, 35.9200, 68.8169



54.8904, 30.3662, 62.5720



53.8791, 79.4139, 78.1357



18.5819, 18.2161, 21.6813



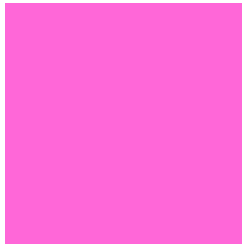
26.4446, 13.0671, 26.7895



2.6192, 1.2900, 2.8420

Previews

White Background



This preview shows how the XYZ color 58.4849, 35.9184, 68.8162 looks on a white background.

Color Contrast Check

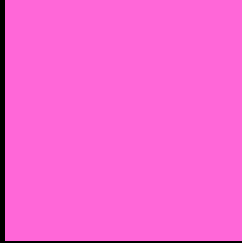
Large Text (above 18pt) WCAG AA × Fail

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 58.4849, 35.9184, 68.8162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

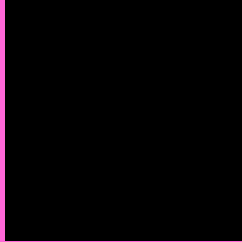
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4849, 35.9184, 68.8162

Background



This preview shows how black text looks on a background with the XYZ color 58.4849, 35.9184, 68.8162.



This preview shows how white text looks on a background with the XYZ color 58.4849, 35.9184,

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

58.4849, 35.9184, 68.8162

Protanopia

39.0523, 36.4519, 99.5854

Deuteranopia

36.9870, 36.1713, 64.0638



Tritanopia

49.7991, 35.8829, 26.4917

Trichromacy



Original Color

58.4849, 35.9184, 68.8162



Protanomaly

42.3434, 33.7003, 87.4922



Deuteranomaly

42.3513, 34.1947, 65.3409



Tritanomaly

52.2806, 35.4591, 38.7391

Monochromacy



Original Color

58.4849, 35.9184, 68.8162



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

40.2243, 33.6945, 48.0997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4849, 35.9184, 68.8162 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, 103, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 216)  
}
```

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, 103, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 216) }
```

Border

The CSS property to change the border of an element to XYZ 58.4849, 35.9184, 68.8162 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, 103, 216) }
```


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

```
.border{ border-color:rgb(255, 103, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 103, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4849, 35.9184, 68.8162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 216) }
```

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

```
.background{ background-color: rgb(255,  
103, 216) }
```

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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