

Converting Colors

XYZ(58.4521, 35.4363, 70.0888)

Have a look what the booklet for
XYZ(58.4521, 35.4363, 70.0888)
contains.

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Color

**XYZ(58.4521, 35.4363,
70.0888)**

Conversions

Conversions Part 1

Format	Color
Hex	FF64DA
RGB	255, 100, 218
RGB Percent	100%, 39%, 85%
CMY	0.0000, 0.6078, 0.1451
CMYK	0.00, 0.61, 0.15, 0.00
HSL	314°, 100%, 70%
HSV	314°, 61%, 100%
XYZ	58.4521, 35.4363, 70.0888
YIQ	159.7970, 54.5020, 69.5580

Conversions

Conversions Part 2

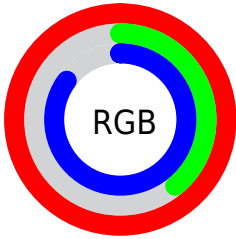
Format	Color
R _Y B	255, 100, 218
Decimal	16737498
CIE Lab	66.09, 71.37, -31.16
CIE LCh	66, 77.879, 336.417
Yxy	35.4363, 0.3565, 0.2161
Android (android.graphics.Color)	4294927578 (0xFFFF64DA)
YUV	159.7970, 28.6941, 83.4930
Hunter-Lab	59.5284, 71.0980, -28.1382

Details

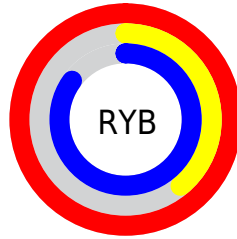
The XYZ color **58.4521, 35.4363, 70.0888** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.5323, 76.0361, 35.9462**, and the grayscale version is **33.1762, 34.9039, 38.0104**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **29.6604, 15.3342, 36.0468** is the 20% darker color. If you saturate the color by 10%, you get **55.5955, 30.9747, 65.2786**, and if you desaturate by 10%, it is **62.1045, 41.4427, 75.3095**.

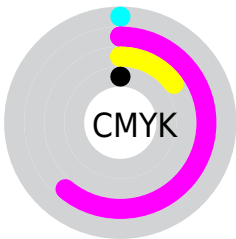
Distribution



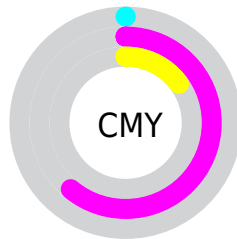
- Red (100%)
- Green (39%)
- Blue (85%)



- Red (100%)
- Yellow (39%)
- Blue (85%)



- Cyan (0%)
- Magenta (61%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4521, 35.4363, 70.0888 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 58.4521, 35.4363, 70.0888 by changing the saturation by 10% instead.


 58.4521, 35.4363,
70.0888


 58.4521, 35.4363,
70.0888

408.7952,
326.4900, 479.6593


 42.4169, 23.9992,
51.1217

 101.7001, 68.1611,
121.0177

 29.6204, 15.3330,
35.9281


 129.6436, 90.2176,
153.8165

 19.6973, 9.0534,
24.0894


 162.2873,
116.5826, 192.0630

 12.2822, 4.7760,
15.1871

 199.9965,
147.6406, 236.1757

 7.0097, 2.1165,
8.8027

243.1365,
183.7759, 286.5732

 3.5146, 0.6739,
4.5177

292.0727,

 1.4314, 0.0000,

225.3730, 343.6739

1.9134

347.1705,
272.8162, 407.8964

■ 0.2784, 0.0000,
0.5013

■ 0.0000, 0.0000,
0.0000

■ 58.4521, 35.4363,
70.0888

■ 58.4521, 35.4363,
70.0888

■ 55.5955, 30.9747,
65.2786

■ 62.1045, 41.4427,
75.3095

■ 53.4581, 27.9051,
60.8504


■ 66.6154, 49.1187,
80.9618

■ 51.9514, 26.0511,
56.7738

■ 72.0436, 58.5816,
87.0673

■ 50.9919, 25.1608,
53.2827

■ 78.4420, 69.9366,
93.6449

 85.8594, 83.2808,
100.7125

 94.3413, 98.7049,
108.2865

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.



48.6846, 35.4363, 115.8873



58.4521, 35.4363, 70.0888



60.9687, 35.4363, 31.8944

Triad

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



58.4521, 35.4363, 70.0888



31.2562, 35.4363, 3.5911



18.7668, 35.4363, 90.0939

Complementary

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



58.4521, 35.4363, 70.0888



45.5323, 76.0361, 35.9462

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.



16.0618, 35.4363, 46.1494



58.4521, 35.4363, 70.0888



22.1281, 35.4363, 6.6745

Square

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



58.4521, 35.4363, 70.0888



43.3856, 35.4363, 4.6994



17.1335, 35.4363, 18.2996



25.5438, 35.4363, 131.3466

Rectangle

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



58.4521, 35.4363, 70.0888



57.7834, 35.4363, 16.6178



17.1335, 35.4363, 18.2996



17.4315, 35.4363, 74.4252

Sweetspot

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



58.4529, 35.4378, 70.0895



80.4007, 73.4443, 95.5607



32.7893, 21.5845, 97.0458



16.7708, 14.9354, 20.0251



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.



58.4529, 35.4378, 70.0895



55.0620, 30.1791, 64.2640



50.6309, 32.3090, 28.8995



18.5963, 18.2219, 21.7575



26.7057, 13.1716, 28.1642



2.6427, 1.2994, 2.9657

Inverse Universe

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



58.4529, 35.4378, 70.0895



55.0620, 30.1791, 64.2640



53.1117, 79.0679, 75.8591



18.5963, 18.2219, 21.7575



26.7057, 13.1716, 28.1642



2.6427, 1.2994, 2.9657

Previews

White Background



This preview shows how the XYZ color 58.4521, 35.4363, 70.0888 looks on a white background.

Color Contrast Check

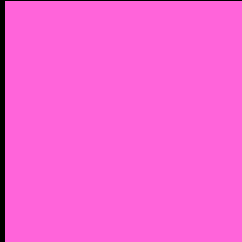
Large Text (above 18pt) WCAG AA × Fail

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 58.4521, 35.4363, 70.0888 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 58.4521, 35.4363, 70.0888

Background



This preview shows how black text looks on a background with the XYZ color 58.4521, 35.4363, 70.0888.



This preview shows how white text looks on a background with the XYZ color 58.4521, 35.4363,

70.0888.

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

58.4521, 35.4363, 70.0888

Protanopia

38.5890, 35.9588, 99.5146

Deuteranopia

36.4980, 35.6365, 65.2765



Tritanopia

49.0623, 35.1506, 25.6716

Trichromacy



Original Color

58.4521, 35.4363, 70.0888



Protanomaly

41.9859, 33.0728, 88.1752



Deuteranomaly

41.8156, 33.4636, 66.5426



Tritanomaly

51.6951, 34.8187, 38.6464

Monochromacy



Original Color

58.4521, 35.4363, 70.0888



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

39.9346, 33.1153, 48.0032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4521, 35.4363, 70.0888 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, 100, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 218)  
}
```

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, 100, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 218) }
```

Border

The CSS property to change the border of an element to XYZ 58.4521, 35.4363, 70.0888 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, 100, 218) }
```


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

```
.border{ border-color:rgb(255, 100, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4521, 35.4363, 70.0888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 218) }
```

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

```
.background{ background-color: rgb(255,  
100, 218) }
```

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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