

Converting Colors

XYZ(58.4838, 35.7604, 69.2960)

Have a look what the booklet for
XYZ(58.4838, 35.7604, 69.2960)
contains.

XYZ(58.5158, 35.7725, 69.4663)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.5158, 35.7725,
69.4663)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66D9
RGB	255, 102, 217
RGB Percent	100%, 40%, 85%
CMY	0.0000, 0.6000, 0.1490
CMYK	0.00, 0.60, 0.15, 0.00
HSL	315°, 100%, 70%
HSV	315°, 60%, 100%
XYZ	58.5158, 35.7725, 69.4663
YIQ	160.8570, 54.2730, 68.2010

Conversions

Conversions Part 2

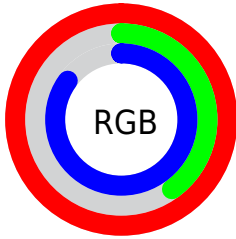
Format	Color
R _Y B	255, 102, 217
Decimal	16738009
CIE Lab	66.35, 70.41, -30.20
CIE LCh	66, 76.616, 336.787
Yxy	35.7725, 0.3573, 0.2185
Android (android.graphics.Color)	4294928089 (0xFFFF66D9)
YUV	160.8570, 27.6785, 82.5634
Hunter-Lab	59.8101, 69.9695, -26.9951

Details

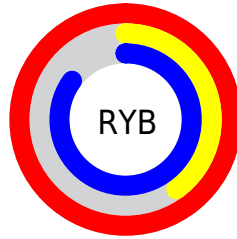
The XYZ color **58.5158, 35.7725, 69.4663** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.9745, 76.2389, 37.1062**, and the grayscale version is **33.6693, 35.4227, 38.5754**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **29.6888, 15.5339, 35.6160** is the 20% darker color. If you saturate the color by 10%, you get **55.5757, 31.1856, 64.4997**, and if you desaturate by 10%, it is **62.2595, 41.9160, 74.8576**.

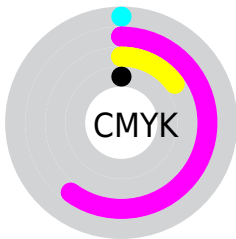
Distribution



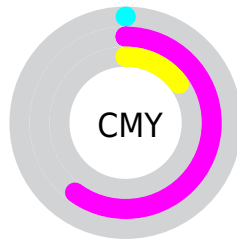
- Red (100%)
- Green (40%)
- Blue (85%)



- 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 58.5158, 35.7725, 69.4663 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 58.5158, 35.7725, 69.4663 by changing the saturation by 10% instead.

 58.5158, 35.7725,
69.4663


 58.5158, 35.7725,
69.4663


409.0281,
327.9651, 477.4123


 42.4683, 24.2585,
50.6174

 101.7923, 68.6808,
120.1213


 29.6609, 15.5255,
35.5296


 129.7520, 90.8439,
152.7646

 19.7281, 9.1890,
23.7843


 162.4131,
117.3255, 190.8430

 12.3047, 4.8647,
14.9630

 200.1411,
148.5100, 234.7752

 7.0252, 2.1681,
8.6471

243.3012,
184.7819, 284.9797

 3.5243, 0.7025,
4.4181

292.2589,

 1.4367, 0.0000,

226.5254, 341.8750

1.8574

347.3794,
274.1250, 405.8797

■ 0.2822, 0.0000,
0.4654

■ 0.0000, 0.0000,
0.0000

■ 58.5158, 35.7725,
69.4663

■ 58.5158, 35.7725,
69.4663

■ 55.5757, 31.1856,
64.4997

■ 62.2595, 41.9160,
74.8576

■ 53.3633, 28.0040,
59.9294

■ 66.8688, 49.7395,
80.6948

■ 51.7916, 26.0544,
55.7253

■ 72.4021, 59.3594,
86.9993

■ 50.7176, 25.0512,
51.8378

■ 78.9121, 70.8803,
93.7905

■ 50.7173, 25.0509,
51.8367

■ 86.4472, 84.3989,
101.0859

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.



48.9635, 35.7725, 114.4211



58.5158, 35.7725, 69.4663



60.8854, 35.7725, 31.9637

Triad

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



58.5158, 35.7725, 69.4663



31.4646, 35.7725, 3.8945



19.2399, 35.7725, 90.2284

Complementary

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



58.5158, 35.7725, 69.4663



45.9745, 76.2389, 37.1062

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.



16.4886, 35.7725, 46.8870



58.5158, 35.7725, 69.4663



22.4465, 35.7725, 7.1307

Square

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



58.5158, 35.7725, 69.4663



43.4385, 35.7725, 4.9879



17.5142, 35.7725, 19.0074



26.0396, 35.7725, 130.3960

Rectangle

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



58.5158, 35.7725, 69.4663



57.6865, 35.7725, 16.8832



17.5142, 35.7725, 19.0074



17.8897, 35.7725, 74.8396

Sweetspot

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



58.5166, 35.7740, 69.4670



80.3334, 73.4174, 95.2065



33.2348, 22.1025, 97.1223



16.7543, 14.9287, 19.9379



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.



58.5166, 35.7740, 69.4670



55.0768, 30.4407, 63.5533



50.9353, 32.7415, 29.5446



18.5885, 18.2187, 21.7163



26.5636, 13.1147, 27.4162



2.6299, 1.2943, 2.8985

Inverse Universe

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



58.5166, 35.7740, 69.4670



55.0768, 30.4407, 63.5533



53.4038, 79.2106, 76.2282



18.5885, 18.2187, 21.7163



26.5636, 13.1147, 27.4162



2.6299, 1.2943, 2.8985

Previews

White Background



This preview shows how the XYZ color 58.5158, 35.7725, 69.4663 looks on a white background.

Color Contrast Check

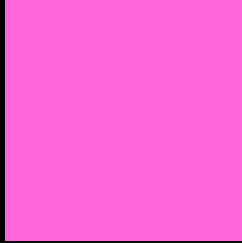
Large Text (above 18pt) WCAG AA × Fail

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 58.5158, 35.7725, 69.4663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

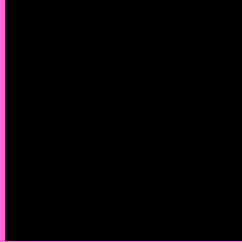
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.5158, 35.7725, 69.4663

Background



This preview shows how black text looks on a background with the XYZ color 58.5158, 35.7725, 69.4663.



This preview shows how white text looks on a background with the XYZ color 58.5158, 35.7725,

69.4663.

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

58.5158, 35.7725, 69.4663

Protanopia

38.9056, 36.3762, 99.5785

Deuteranopia

36.9202, 36.1226, 64.7010



Tritanopia

49.2539, 35.4247, 26.0715

Trichromacy



Original Color

58.5158, 35.7725, 69.4663



Protanomaly

41.9789, 33.2985, 87.4338



Deuteranomaly

42.0816, 33.8273, 65.9394



Tritanomaly

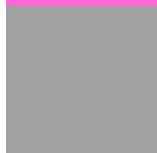
51.8085, 35.0455, 38.6842

Monochromacy



Original Color

58.5158, 35.7725, 69.4663



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 58.5158, 35.7725, 69.4663 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 217) }
```

Border

The CSS property to change the border of an element to XYZ 58.5158, 35.7725, 69.4663 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, 217) }
```


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

```
.border{ border-color:rgb(255, 102, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5158, 35.7725, 69.4663 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, 217) }
```

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

```
.background{ background-color: rgb(255,  
102, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor