

Converting Colors

XYZ(63.0751, 37.7901, 69.8132)

Have a look what the booklet for
XYZ(63.0751, 37.7901, 69.8132)
contains.

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Color

**XYZ(58.3216, 35.3841,
69.4016)**

Conversions

Conversions Part 1

Format	Color
Hex	FF64D9
RGB	255, 100, 217
RGB Percent	100%, 39%, 85%
CMY	0.0000, 0.6078, 0.1490
CMYK	0.00, 0.61, 0.15, 0.00
HSL	315°, 100%, 70%
HSV	315°, 61%, 100%
XYZ	58.3216, 35.3841, 69.4016
YIQ	159.6830, 54.8230, 69.2470

Conversions

Conversions Part 2

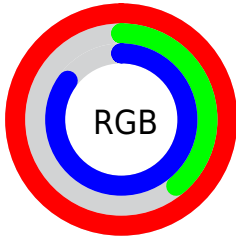
Format	Color
R _Y B	255, 100, 217
Decimal	16737497
CIE Lab	66.05, 71.23, -30.66
CIE LCh	66, 77.550, 336.711
Yxy	35.3841, 0.3576, 0.2169
Android (android.graphics.Color)	4294927577 (0xFFFF64D9)
YUV	159.6830, 28.2573, 83.5930
Hunter-Lab	59.4845, 70.9123, -27.5355

Details

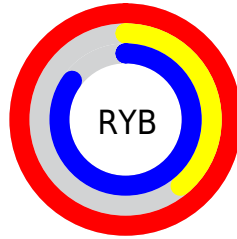
The XYZ color **58.3216, 35.3841, 69.4016** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.6044, 76.0650, 36.3259**, and the grayscale version is **33.1257, 34.8509, 37.9526**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **29.5711, 15.2984, 35.5767** is the 20% darker color. If you saturate the color by 10%, you get **55.4492, 30.9162, 64.5080**, and if you desaturate by 10%, it is **61.9914, 41.3975, 74.7138**.

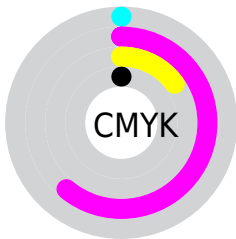
Distribution



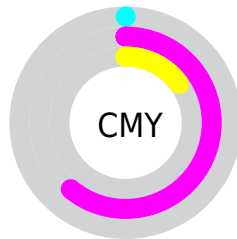
- Red (100%)
- Green (39%)
- Blue (85%)



- 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 58.3216, 35.3841, 69.4016 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 58.3216, 35.3841, 69.4016 by changing the saturation by 10% instead.

 58.3216, 35.3841,
69.4016


 58.3216, 35.3841,
69.4016

408.3178,
326.2605, 477.1784


 42.3115, 23.9589,
50.5651

 101.5113, 68.0804,
120.0281

 29.5375, 15.3031,
35.4883


 129.4216, 90.1202,
152.6551

 19.6341, 9.0324,
23.7527


 162.0294,
116.4671, 190.7161

 12.2361, 4.7623,
14.9398

 199.7001,
147.5054, 234.6295

 6.9780, 2.1085,
8.6310

242.7988,
183.6195, 284.8139

 3.4946, 0.6694,
4.4078

291.6912,

 1.4204, 0.0000,

225.1938, 341.6878

1.8516

346.7424,
272.6126, 405.6698

■ 0.2707, 0.0000,
0.4617

■ 0.0000, 0.0000,
0.0000

■ 58.3216, 35.3841,
69.4016

■ 58.3216, 35.3841,
69.4016

■ 55.4492, 30.9162,
64.5080

■ 61.9914, 41.3975,
74.7138

■ 53.2974, 27.8408,
60.0045


■ 66.5213, 49.0811,
80.4660


■ 51.7779, 25.9817,
55.8605

■ 71.9700, 58.5521,
86.6797

■ 50.8079, 25.0872,
52.3140

■ 78.3906, 69.9160,
93.3742

 85.8318, 83.2698,
100.5672

 94.3392, 98.7041,
108.2756

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.



48.6666, 35.3841, 114.9176



58.3216, 35.3841, 69.4016



60.7374, 35.3841, 31.5868

Triad

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



58.3216, 35.3841, 69.4016



31.1117, 35.3841, 3.6421



18.8302, 35.3841, 90.1733

Complementary

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



58.3216, 35.3841, 69.4016



45.6044, 76.0650, 36.3259

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.



16.0964, 35.3841, 46.4164



58.3216, 35.3841, 69.4016



22.0638, 35.3841, 6.7848

Square

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



58.3216, 35.3841, 69.4016



43.1593, 35.3841, 4.7142



17.1279, 35.3841, 18.5129



25.6205, 35.3841, 130.9539

Rectangle

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



58.3216, 35.3841, 69.4016



57.5194, 35.3841, 16.4878



17.1279, 35.3841, 18.5129



17.4865, 35.3841, 74.6032

Sweetspot

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



58.3224, 35.3856, 69.4023



80.3557, 73.4263, 95.3239



32.7893, 21.5846, 97.0458



16.7598, 14.9309, 19.9668



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.



58.3224, 35.3856, 69.4023



54.9124, 30.1192, 63.4760



50.6309, 32.3090, 28.8995



18.5911, 18.2198, 21.7300



26.6105, 13.1335, 27.6631



2.6341, 1.2960, 2.9207

Inverse Universe

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



58.3224, 35.3856, 69.4023



54.9124, 30.1192, 63.4760



53.1117, 79.0679, 75.8591



18.5911, 18.2198, 21.7300



26.6105, 13.1335, 27.6631



2.6341, 1.2960, 2.9207

Previews

White Background



This preview shows how the XYZ color 58.3216, 35.3841, 69.4016 looks on a white background.

Color Contrast Check

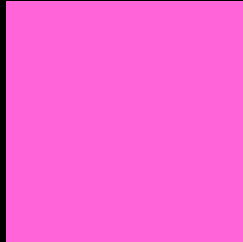
Large Text (above 18pt) WCAG AA × Fail

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 58.3216, 35.3841, 69.4016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

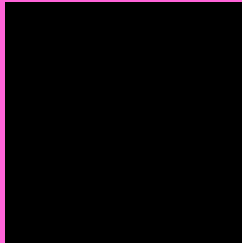
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.3216, 35.3841, 69.4016

Background



This preview shows how black text looks on a background with the XYZ color 58.3216, 35.3841, 69.4016.



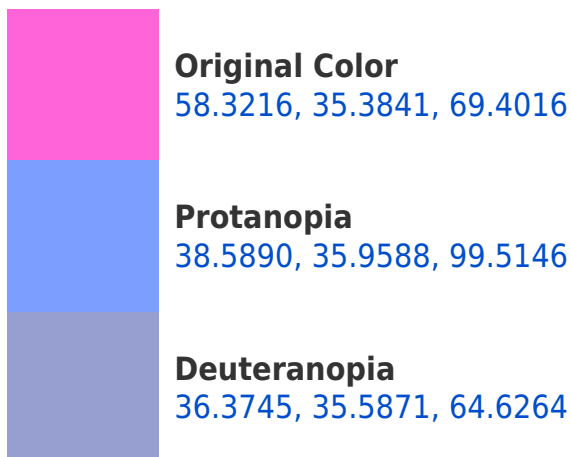
This preview shows how white text looks on a background with the XYZ color 58.3216, 35.3841,

69.4016.

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





Tritanopia

49.0623, 35.1506, 25.6716

Trichromacy



Original Color

58.3216, 35.3841, 69.4016



Protanomaly

41.8361, 33.0129, 87.3862



Deuteranomaly

41.6898, 33.4133, 65.8801



Tritanomaly

51.6058, 34.7830, 38.1763

Monochromacy



Original Color

58.3216, 35.3841, 69.4016



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 58.3216, 35.3841, 69.4016 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 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, 100, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 217) }
```

Border

The CSS property to change the border of an element to XYZ 58.3216, 35.3841, 69.4016 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, 217) }
```


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

```
.border{ border-color:rgb(255, 100, 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, 100, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3216, 35.3841, 69.4016 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, 217) }
```

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

```
.background{ background-color: rgb(255,  
100, 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](#).

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