

Converting Colors

XYZ(58.9037, 36.4353, 69.9439)

Have a look what the booklet for
XYZ(58.9037, 36.4353, 69.9439)
contains.

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Color

**XYZ(58.9465, 36.4251,
70.2536)**

Conversions

Conversions Part 1

Format	Color
Hex	FF69DA
RGB	255, 105, 218
RGB Percent	100%, 41%, 85%
CMY	0.0000, 0.5882, 0.1451
CMYK	0.00, 0.59, 0.15, 0.00
HSL	315°, 100%, 71%
HSV	315°, 59%, 100%
XYZ	58.9465, 36.4251, 70.2536
YIQ	162.7320, 53.1270, 66.9430

Conversions

Conversions Part 2

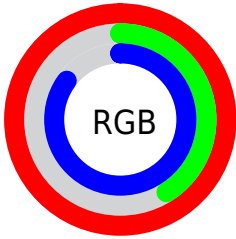
Format	Color
R _Y B	255, 105, 218
Decimal	16738778
CIE Lab	66.84, 69.31, -29.99
CIE LCh	67, 75.519, 336.603
Yxy	36.4251, 0.3559, 0.2199
Android (android.graphics.Color)	4294928858 (0xFFFF69DA)
YUV	162.7320, 27.2471, 80.9190
Hunter-Lab	60.3532, 68.7214, -26.7687

Details

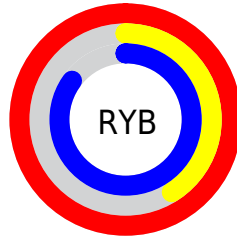
The XYZ color **58.9465, 36.4251, 70.2536** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.4696, 76.4769, 37.9062**, and the grayscale version is **34.5460, 36.3451, 39.5798**.

A 20% lighter version of the original color is **72.3872, 54.6744, 101.3457**, and **29.9445, 15.9024, 36.1415** is the 20% darker color. If you saturate the color by 10%, you get **55.9199, 31.6643, 65.2605**, and if you desaturate by 10%, it is **62.7843, 42.7582, 75.6721**.

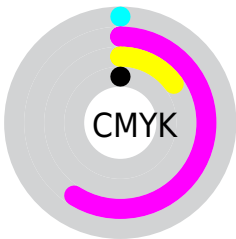
Distribution



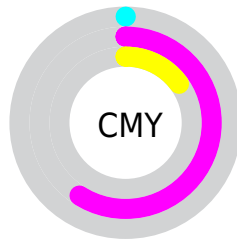
- Red (100%)
- Green (41%)
- Blue (85%)



- Red (100%)
- Yellow (41%)
- Blue (85%)



- Cyan (0%)
- Magenta (59%)
- Yellow (15%)
- Black (0%)



- Cyan (0%)
- Magenta (59%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9465, 36.4251, 70.2536 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 58.9465, 36.4251, 70.2536 by changing the saturation by 10% instead.

58.9465, 36.4251,
70.2536

58.9465, 36.4251,
70.2536

410.6009,
330.8148, 480.2531

42.8163, 24.7627,
51.2552

102.4150, 69.6877,
121.2548

29.9349, 15.9003,
36.0336

130.4839, 92.0567,
154.0948

19.9370, 9.4537,
24.1703

163.2631,
118.7633, 192.3857

12.4572, 5.0382,
15.2466

201.1180,
150.1919, 236.5460

7.1303, 2.2697,
8.8441

244.4138,
186.7270, 286.9944

3.5908, 0.7576,
4.5442

293.5160,

1.4733, 0.0000,

228.7529, 344.1494

1.9284

348.7899,
276.6540, 408.4294

■ 0.3076, 0.0000,
0.5107

■ 0.0000, 0.0000,
0.0000

■ 58.9465, 36.4251,
70.2536

■ 58.9465, 36.4251,
70.2536

■ 55.9199, 31.6643,
65.2605

■ 62.7843, 42.7582,
75.6721

■ 53.6298, 28.3271,
60.6650

■ 67.4944, 50.7853,
81.5366

■ 51.9913, 26.2443,
56.4374

■ 73.1345, 60.6214,
87.8687

■ 50.8804, 25.1684,
52.5347

■ 79.7567, 72.3701,
94.6871

■ 50.7653, 25.0701,
52.0895

■ 87.4091, 86.1271,
102.0096

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.



49.4393, 36.4251, 114.6306



58.9465, 36.4251, 70.2536



61.3459, 36.4251, 32.8581

Triad

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



58.9465, 36.4251, 70.2536



32.1562, 36.4251, 4.2449



19.8116, 36.4251, 90.2382

Complementary

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



58.9465, 36.4251, 70.2536



46.4696, 76.4769, 37.9062

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.



17.0640, 36.4251, 47.3429



58.9465, 36.4251, 70.2536



23.1058, 36.4251, 7.5616

Square

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



58.9465, 36.4251, 70.2536



44.0966, 36.4251, 5.4096



18.1212, 36.4251, 19.5576



26.6104, 36.4251, 129.9430

Rectangle

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



58.9465, 36.4251, 70.2536



58.2091, 36.4251, 17.6337



18.1212, 36.4251, 19.5576



18.4606, 36.4251, 75.0271

Sweetspot

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



58.9473, 36.4267, 70.2543



80.3452, 73.4221, 95.2688



33.9185, 22.9006, 97.2403



16.7572, 14.9299, 19.9532



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.



58.9473, 36.4267, 70.2543



55.3607, 30.8210, 64.2260



51.4036, 33.4092, 30.5296



18.5899, 18.2193, 21.7235



26.5884, 13.1247, 27.5470



2.6321, 1.2952, 2.9102

Inverse Universe

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



58.9473, 36.4267, 70.2543



55.3607, 30.8210, 64.2260



53.8526, 79.4301, 76.7845



18.5899, 18.2193, 21.7235



26.5884, 13.1247, 27.5470



2.6321, 1.2952, 2.9102

Previews

White Background



This preview shows how the XYZ color 58.9465, 36.4251, 70.2536 looks on a white background.

Color Contrast Check

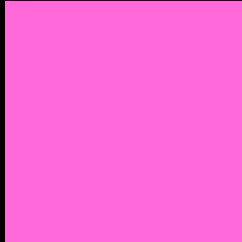
Large Text (above 18pt) WCAG AA × Fail

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 58.9465, 36.4251, 70.2536 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 58.9465, 36.4251, 70.2536

Background



This preview shows how black text looks on a background with the XYZ color 58.9465, 36.4251, 70.2536.



This preview shows how white text looks on a background with the XYZ color 58.9465, 36.4251,

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

58.9465, 36.4251, 70.2536

Protanopia

39.3732, 36.8736, 99.6499

Deuteranopia

37.4059, 36.6151, 65.4175



Tritanopia

50.1918, 36.4451, 27.3109

Trichromacy



Original Color

58.9465, 36.4251, 70.2536



Protanomaly

42.8607, 34.1656, 88.3400



Deuteranomaly

42.7476, 34.5860, 66.7101



Tritanomaly

52.6943, 35.9975, 39.7682

Monochromacy



Original Color

58.9465, 36.4251, 70.2536



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

40.9852, 34.5007, 49.2989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9465, 36.4251, 70.2536 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, 105, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 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, 105, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 218) }
```

Border

The CSS property to change the border of an element to XYZ 58.9465, 36.4251, 70.2536 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, 105, 218) }
```


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

```
.border{ border-color:rgb(255, 105, 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, 105, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9465, 36.4251, 70.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 218) }
```

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

```
.background{ background-color: rgb(255,  
105, 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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