

Converting Colors

XYZ(58.0955, 34.8269, 69.6500)

Have a look what the booklet for
XYZ(58.0955, 34.8269, 69.6500)
contains.

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Color

**XYZ(58.1696, 34.8713,
69.9946)**

Conversions

Conversions Part 1

Format	Color
Hex	FF61DA
RGB	255, 97, 218
RGB Percent	100%, 38%, 85%
CMY	0.0000, 0.6196, 0.1451
CMYK	0.00, 0.62, 0.15, 0.00
HSL	314°, 100%, 69%
HSV	314°, 62%, 100%
XYZ	58.1696, 34.8713, 69.9946
YIQ	158.0360, 55.3270, 71.1270

Conversions

Conversions Part 2

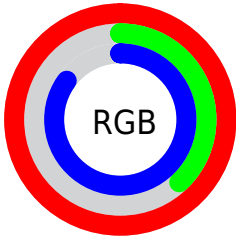
Format	Color
R _Y B	255, 97, 218
Decimal	16736730
CIE Lab	65.65, 72.58, -31.84
CIE LCh	66, 79.254, 336.315
Yxy	34.8713, 0.3568, 0.2139
Android (android.graphics.Color)	4294926810 (0xFFFF61DA)
YUV	158.0360, 29.5623, 85.0374
Hunter-Lab	59.0519, 72.4921, -28.9404

Details

The XYZ color **58.1696, 34.8713, 69.9946** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **44.9942, 75.7832, 34.8131**, and the grayscale version is **32.3697, 34.0555, 37.0864**.

A 20% lighter version of the original color is **71.1785, 52.2569, 100.9428**, and **29.5085, 15.0303, 35.9962** is the 20% darker color. If you saturate the color by 10%, you get **55.4130, 30.5863, 65.2896**, and if you desaturate by 10%, it is **61.7128, 40.6844, 75.1015**.

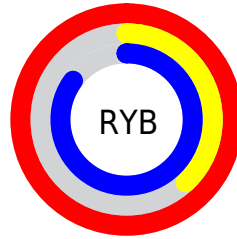
Distribution



Red (100%)

Green (38%)

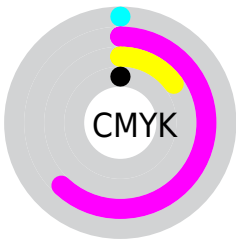
Blue (85%)



Red (100%)

Yellow (38%)

Blue (85%)

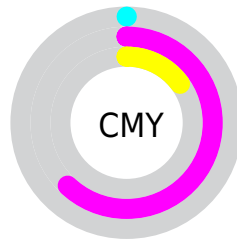


Cyan (0%)

Magenta (62%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.1696, 34.8713, 69.9946 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 58.1696, 34.8713, 69.9946 by changing the saturation by 10% instead.


 58.1696, 34.8713,
69.9946


 58.1696, 34.8713,
69.9946


407.7613,
323.9999, 479.3197


 42.1888, 23.5638,
51.0454

 101.2913, 67.2863,
120.8821

 29.4409, 15.0103,
35.8677


 129.1630, 89.1626,
153.6574

 19.5606, 8.8266,
24.0432


 161.7290,
115.3306, 191.8785

 12.1824, 4.6283,
15.1532

 199.3546,
146.1747, 235.9640

 6.9411, 2.0309,
8.7791

242.4054,
182.0793, 286.3323

 3.4713, 0.6253,
4.5026

291.2465,

 1.4076, 0.0000,

223.4287, 343.4019

1.9049

346.2433,
270.6075, 407.5916

■ 0.2616, 0.0000,
0.4958

■ 0.0000, 0.0000,
0.0000

■ 58.1696, 34.8713,
69.9946

■ 58.1696, 34.8713,
69.9946

■ 55.4130, 30.5863,
65.2896

■ 61.7128, 40.6844,
75.1015

■ 53.3648, 27.6736,
60.9578

■ 66.1062, 48.1523,
80.6318


■ 51.9345, 25.9525,
56.9680

■ 71.4092, 57.3935,
86.6071

■ 51.1223, 25.2129,
53.9697

■ 77.6753, 68.5144,
93.0465

 84.9537, 81.6132,
99.9678

 93.2903, 96.7809,
107.3877

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.



48.2525, 34.8713, 116.6276



58.1696, 34.8713, 69.9946



60.7534, 34.8713, 31.3425

Triad

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



58.1696, 34.8713, 69.9946



30.7415, 34.8713, 3.2437



18.1774, 34.8713, 90.0183

Complementary

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



58.1696, 34.8713, 69.9946



44.9942, 75.7832, 34.8131

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.



15.4980, 34.8713, 45.4691



58.1696, 34.8713, 69.9946



21.5730, 34.8713, 6.1924

Square

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



58.1696, 34.8713, 69.9946



42.9772, 34.8713, 4.3163



16.5765, 34.8713, 17.5950



24.9384, 34.8713, 132.1779

Rectangle

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



58.1696, 34.8713, 69.9946



57.5397, 34.8713, 16.0449



16.5765, 34.8713, 17.5950



16.8517, 34.8713, 74.0837

Sweetspot

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



58.1704, 34.8728, 69.9953



79.7205, 72.1785, 95.0427



32.1366, 20.8287, 96.9343



16.6398, 14.6901, 19.9297



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.



58.1704, 34.8728, 69.9953



54.9398, 29.8852, 64.3755



50.1858, 31.6790, 27.9489



18.6000, 18.2233, 21.7768



26.7731, 13.1985, 28.5194



2.6487, 1.3019, 2.9976

Inverse Universe

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



58.1704, 34.8728, 69.9953



54.9398, 29.8852, 64.3755



52.6842, 78.8592, 75.3081



18.6000, 18.2233, 21.7768



26.7731, 13.1985, 28.5194



2.6487, 1.3019, 2.9976

Previews

White Background



This preview shows how the XYZ color 58.1696, 34.8713, 69.9946 looks on a white background.

Color Contrast Check

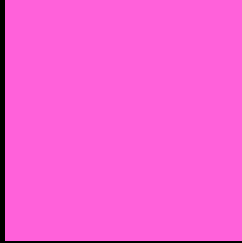
Large Text (above 18pt) WCAG AA × Fail

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 58.1696, 34.8713, 69.9946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

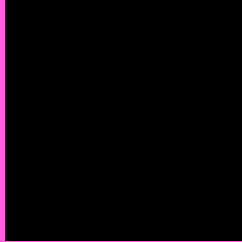
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.1696, 34.8713, 69.9946

Background



This preview shows how black text looks on a background with the XYZ color 58.1696, 34.8713, 69.9946.



This preview shows how white text looks on a background with the XYZ color 58.1696, 34.8713,

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

58.1696, 34.8713, 69.9946

Protanopia

38.1330, 35.4715, 99.4446

Deuteranopia

35.9600, 35.1070, 65.2026



Tritanopia

48.6850, 34.6108, 24.8834

Trichromacy



Original Color

58.1696, 34.8713, 69.9946



Protanomaly

41.2685, 32.2848, 88.0609



Deuteranomaly

41.2867, 32.7728, 66.4371



Tritanomaly

51.2941, 34.3013, 37.6355

Monochromacy



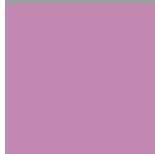
Original Color

58.1696, 34.8713, 69.9946



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

39.0347, 32.2411, 47.3458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1696, 34.8713, 69.9946 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, 97, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 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, 97, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 218) }
```

Border

The CSS property to change the border of an element to XYZ 58.1696, 34.8713, 69.9946 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, 97, 218) }
```


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

```
.border{ border-color:rgb(255, 97, 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, 97, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1696, 34.8713, 69.9946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 218) }
```

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

```
.background{ background-color: rgb(255, 97,  
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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