

Converting Colors

XYZ(60.6309, 35.0664, 77.1785)

Have a look what the booklet for
XYZ(60.6309, 35.0664, 77.1785)
contains.

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Color

**XYZ(58.8998, 34.1738,
76.8906)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5AE4
RGB	255, 90, 228
RGB Percent	100%, 35%, 89%
CMY	0.0000, 0.6470, 0.1059
CMYK	0.00, 0.65, 0.11, 0.00
HSL	310°, 100%, 68%
HSV	310°, 65%, 100%
XYZ	58.8998, 34.1738, 76.8906
YIQ	155.0670, 54.0420, 77.8980

Conversions

Conversions Part 2

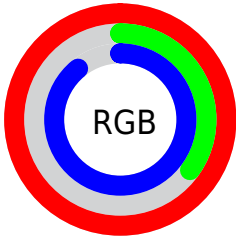
Format	Color
R _{YB}	255, 90, 228
Decimal	16734948
CIE _{Lab}	65.10, 76.71, -38.27
CIE _{LCh}	65, 85.728, 333.484
Yxy	34.1738, 0.3465, 0.2011
Android (android.graphics.Color)	4294925028 (0xFFFF5AE4)
YUV	155.0670, 35.9560, 87.6412
Hunter-Lab	58.4584, 77.5458, -37.0636

Details

The XYZ color **58.8998, 34.1738, 76.8906** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **43.1886, 74.9786, 29.0281**, and the grayscale version is **31.0162, 32.6314, 35.5356**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **29.9955, 14.6675, 40.2799** is the 20% darker color. If you saturate the color by 10%, you get **56.5334, 30.3569, 73.2784**, and if you desaturate by 10%, it is **62.0190, 39.4738, 80.8236**.

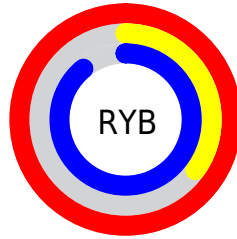
Distribution



Red (100%)

Green (35%)

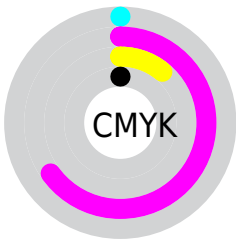
Blue (89%)



Red (100%)

Yellow (35%)

Blue (89%)

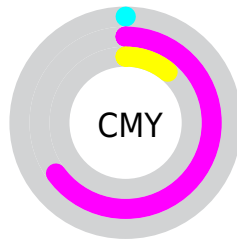


Cyan (0%)

Magenta (65%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (65%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8998, 34.1738, 76.8906 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 58.8998, 34.1738, 76.8906 by changing the saturation by 10% instead.


 58.8998, 34.1738,
76.8906


 58.8998, 34.1738,
76.8906


410.4305,
320.9063, 503.8187


 42.7785, 23.0271,
56.6521


 102.3475, 66.2039,
130.7566


 29.9051, 14.6136,
40.3185


 130.4046, 87.8560,
165.2212

 19.9143, 8.5486,
27.4713

 163.1710,
113.7789, 205.2649

 12.4407, 4.4480,
17.6919

 201.0121,
144.3567, 251.3062

 7.1189, 1.9272,
10.5619

244.2933,
179.9740, 303.7637

 3.5835, 0.5646,
5.6626

293.3798,

 1.4693, 0.0000,

221.0151, 363.0559

2.5756

348.6371,
267.8644, 429.6014

■ 0.3048, 0.0000,
0.8798

■ 0.0000, 0.0000,
0.0000

■ 58.8998, 34.1738,
76.8906

■ 58.8998, 34.1738,
76.8906

■ 56.5334, 30.3569,
73.2784

■ 62.0190, 39.4738,
80.8236

■ 54.8384, 27.8606,
69.9580

■ 65.9568, 46.3885,
85.0985

■ 53.7183, 26.4921,
66.8974

■ 70.7743, 55.0398,
89.7365

■ 53.2847, 26.0779,
65.3567

■ 76.5259, 65.5367,
94.7564

83.2619, 77.9793,
100.1752

91.0287, 92.4605,
106.0089

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.



47.5292, 34.1738, 128.4537



58.8998, 34.1738, 76.8906



62.6491, 34.1738, 33.2038

Triad

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



58.8998, 34.1738, 76.8906



31.0506, 34.1738, 2.1741



16.3489, 34.1738, 89.1784

Complementary

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



58.8998, 34.1738, 76.8906



43.1886, 74.9786, 29.0281

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.



13.9908, 34.1738, 41.5249



58.8998, 34.1738, 76.8906



21.0006, 34.1738, 4.3416

Square

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



58.8998, 34.1738, 76.8906



44.3607, 34.1738, 3.4224



15.4472, 34.1738, 14.2551



22.9378, 34.1738, 138.1888

Rectangle

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



58.8998, 34.1738, 76.8906



59.6982, 34.1738, 16.0577



15.4472, 34.1738, 14.2551



15.1238, 34.1738, 71.6869

Sweetspot

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



58.9005, 34.1752, 76.8912



80.2435, 72.3877, 97.7965



28.7452, 18.1621, 96.5983



16.7676, 14.7413, 20.6026



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.



58.9005, 34.1752, 76.8912



55.9045, 29.3962, 72.1526



50.2228, 30.7041, 31.1951



18.6575, 18.2463, 22.0794



27.8899, 13.6452, 34.4002



2.7481, 1.3416, 3.5207

Inverse Universe

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



58.9005, 34.1752, 76.8912



55.9045, 29.3962, 72.1526



50.0843, 77.7369, 65.3404



18.6575, 18.2463, 22.0794



27.8899, 13.6452, 34.4002



2.7481, 1.3416, 3.5207

Previews

White Background



This preview shows how the XYZ color 58.8998, 34.1738, 76.8906 looks on a white background.

Color Contrast Check

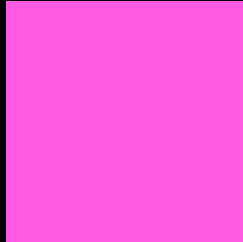
Large Text (above 18pt) WCAG AA × Fail

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 58.8998, 34.1738, 76.8906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

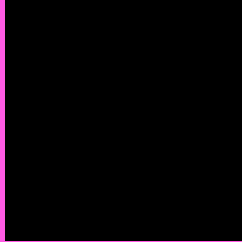
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.8998, 34.1738, 76.8906

Background



This preview shows how black text looks on a background with the XYZ color 58.8998, 34.1738, 76.8906.

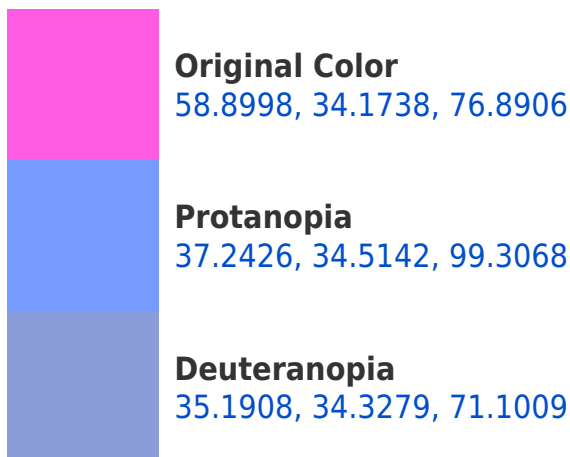


This preview shows how white text looks on a background with the XYZ color 58.8998, 34.1738,

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

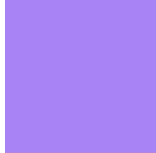
48.0838, 34.1384, 24.1338

Trichromacy



Original Color

58.8998, 34.1738, 76.8906



Protanomaly

40.7462, 31.1500, 90.2512



Deuteranomaly

40.4921, 31.6002, 73.0725



Tritanomaly

51.1303, 33.5452, 38.9020

Monochromacy



Original Color

58.8998, 34.1738, 76.8906



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

38.0457, 30.6864, 48.1738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8998, 34.1738, 76.8906 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, 90, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 228)  
}
```

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, 90, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 228) }
```

Border

The CSS property to change the border of an element to XYZ 58.8998, 34.1738, 76.8906 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, 90, 228) }
```


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

```
.border{ border-color:rgb(255, 90, 228) }
```

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

Here you see how a box with a 4 pixel rgb(255, 90, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8998, 34.1738, 76.8906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 228) }
```

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

```
.background{ background-color: rgb(255, 90,  
228) }
```

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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