

Converting Colors

XYZ(58.7904, 34.0108, 76.6823)

Have a look what the booklet for XYZ(58.7904, 34.0108, 76.6823) contains.

XYZ(58.8160, 34.0062, 76.8627) 3

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Color

**XYZ(58.8160, 34.0062,
76.8627)**

Conversions

Conversions Part 1

Format	Color
Hex	FF59E4
RGB	255, 89, 228
RGB Percent	100%, 35%, 89%
CMY	0.0000, 0.6509, 0.1059
CMYK	0.00, 0.65, 0.11, 0.00
HSL	310°, 100%, 67%
HSV	310°, 65%, 100%
XYZ	58.8160, 34.0062, 76.8627
YIQ	154.4800, 54.3170, 78.4210

Conversions

Conversions Part 2

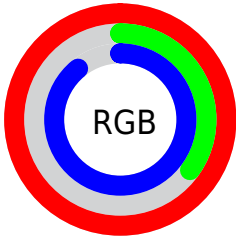
Format	Color
R _{YB}	255, 89, 228
Decimal	16734692
CIE Lab	64.97, 77.08, -38.48
CIE LCh	65, 86.152, 333.470
Yxy	34.0062, 0.3466, 0.2004
Android (android.graphics.Color)	4294924772 (0xFFFF59E4)
YUV	154.4800, 36.2454, 88.1560
Hunter-Lab	58.3148, 77.9831, -37.3276

Details

The XYZ color **58.8160, 34.0062, 76.8627** 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 **43.0335, 74.9054, 28.7155**, and the grayscale version is **30.7564, 32.3582, 35.2381**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **29.9521, 14.5807, 40.2654** is the 20% darker color. If you saturate the color by 10%, you get **56.4804, 30.2454, 73.2775**, and if you desaturate by 10%, it is **61.9014, 39.2443, 80.7667**.

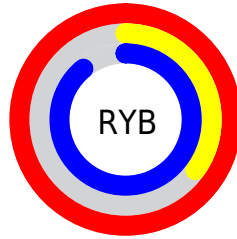
Distribution



Red (100%)

Green (35%)

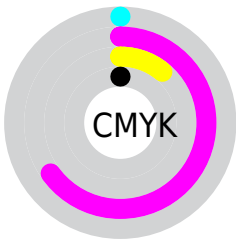
Blue (89%)



Red (100%)

Yellow (35%)

Blue (89%)

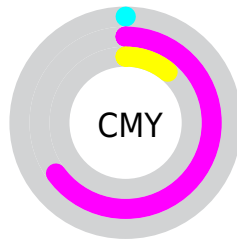


Cyan (0%)

Magenta (65%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (65%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8160, 34.0062, 76.8627 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 58.8160, 34.0062, 76.8627 by changing the saturation by 10% instead.


 58.8160, 34.0062,
76.8627

 58.8160, 34.0062,
76.8627


410.1247,
320.1597, 503.7210

 42.7108, 22.8984,
56.6293


 102.2263, 65.9433,
130.7169

 29.8518, 14.5185,
40.3003


 130.2622, 87.5414,
165.1748

 19.8737, 8.4821,
27.4572


 163.0057,
113.4050, 205.2112

 12.4110, 4.4050,
17.6814

 200.8222,
143.9185, 251.2448

 7.0984, 1.9026,
10.5544

244.0769,
179.4663, 303.6940

 3.5706, 0.5499,
5.6577

293.1354,

 1.4622, 0.0000,

220.4329, 362.9774

2.5727

348.3629,
267.2025, 429.5136

■ 0.2999, 0.0000,
0.8783

■ 0.0000, 0.0000,
0.0000

■ 58.8160, 34.0062,
76.8627

■ 58.8160, 34.0062,
76.8627

■ 56.4804, 30.2454,
73.2775

■ 61.9014, 39.2443,
80.7667

■ 54.8126, 27.7985,
69.9823

■ 65.8027, 46.0919,
85.0110

■ 53.7152, 26.4704,
66.9444

■ 70.5812, 54.6717,
89.6167

■ 53.3167, 26.0907,
65.5252

■ 76.2917, 65.0929,
94.6027

82.9845, 77.4559,
99.9861

90.7062, 91.8539,
105.7829

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.



47.4016, 34.0062, 128.7014



58.8160, 34.0062, 76.8627



62.5851, 34.0062, 33.0307

Triad

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



58.8160, 34.0062, 76.8627



30.8946, 34.0062, 2.0965



16.1842, 34.0062, 89.1610

Complementary

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



58.8160, 34.0062, 76.8627



43.0335, 74.9054, 28.7155

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.



13.8330, 34.0062, 41.3332



58.8160, 34.0062, 76.8627



20.8365, 34.0062, 4.2294

Square

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



58.8160, 34.0062, 76.8627



44.2356, 34.0062, 3.3259



15.2877, 34.0062, 14.0721



22.7659, 34.0062, 138.4592

Rectangle

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



58.8160, 34.0062, 76.8627



59.6248, 34.0062, 15.8854



15.2877, 34.0062, 14.0721



14.9621, 34.0062, 71.5897

Sweetspot

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



58.8167, 34.0076, 76.8633



79.5758, 71.1429, 97.2947



28.5504, 17.9373, 96.5652



16.6379, 14.4996, 20.5044



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.



58.8167, 34.0076, 76.8633



55.9309, 29.4068, 72.2916



50.0878, 30.5160, 30.8974



18.6583, 18.2466, 22.0836



27.9064, 13.6519, 34.4872



2.7495, 1.3422, 3.5284

Inverse Universe

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



58.8167, 34.0076, 76.8633



55.9309, 29.4068, 72.2916



49.9475, 77.6710, 65.1245



18.6583, 18.2466, 22.0836



27.9064, 13.6519, 34.4872



2.7495, 1.3422, 3.5284

Previews

White Background



This preview shows how the XYZ color 58.8160, 34.0062, 76.8627 looks on a white background.

Color Contrast Check

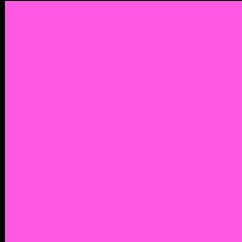
Large Text (above 18pt) WCAG AA × Fail

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 58.8160, 34.0062, 76.8627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

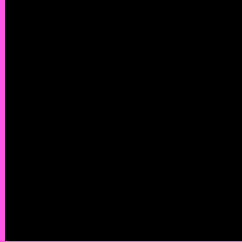
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.8160, 34.0062, 76.8627

Background



This preview shows how black text looks on a background with the XYZ color 58.8160, 34.0062, 76.8627.

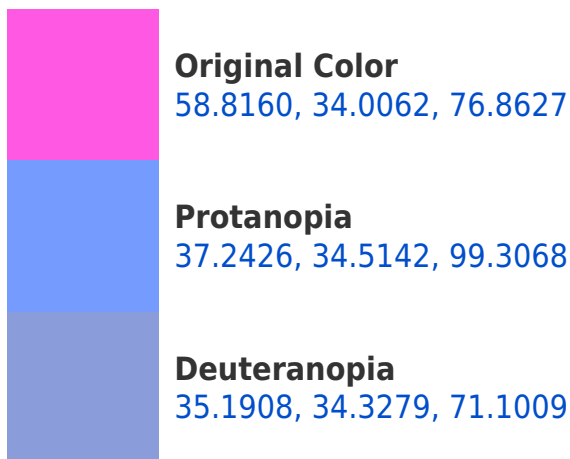


This preview shows how white text looks on a background with the XYZ color 58.8160, 34.0062,

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

47.9005, 33.8757, 23.7527

Trichromacy



Original Color

58.8160, 34.0062, 76.8627



Protanomaly

40.7462, 31.1500, 90.2512



Deuteranomaly

40.4921, 31.6002, 73.0725



Tritanomaly

50.9355, 33.2995, 38.3932

Monochromacy



Original Color

58.8160, 34.0062, 76.8627



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

37.8090, 30.3778, 47.5868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8160, 34.0062, 76.8627 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, 89, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 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, 89, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 228) }
```

Border

The CSS property to change the border of an element to XYZ 58.8160, 34.0062, 76.8627 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, 89, 228) }
```


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

```
.border{ border-color:rgb(255, 89, 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, 89, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8160, 34.0062, 76.8627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 228) }
```

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

```
.background{ background-color: rgb(255, 89,  
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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