

Converting Colors

XYZ(83.9440, 48.0579, 68.9711)

Have a look what the booklet for
XYZ(83.9440, 48.0579, 68.9711)
contains.

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Color

**XYZ(57.6886, 34.5320,
67.9148)**

Conversions

Conversions Part 1

Format	Color
Hex	FF60D7
RGB	255, 96, 215
RGB Percent	100%, 38%, 84%
CMY	0.0000, 0.6235, 0.1569
CMYK	0.00, 0.62, 0.16, 0.00
HSL	315°, 100%, 69%
HSV	315°, 62%, 100%
XYZ	57.6886, 34.5320, 67.9148
YIQ	157.1070, 56.5650, 70.7170

Conversions

Conversions Part 2

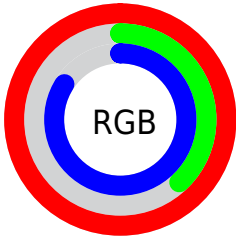
Format	Color
R _Y B	255, 96, 215
Decimal	16736471
CIE Lab	65.38, 72.55, -30.57
CIE LCh	65, 78.727, 337.153
Yxy	34.5320, 0.3602, 0.2156
Android (android.graphics.Color)	4294926551 (0xFFFF60D7)
YUV	157.1070, 28.5412, 85.8522
Hunter-Lab	58.7639, 72.3967, -27.3880

Details

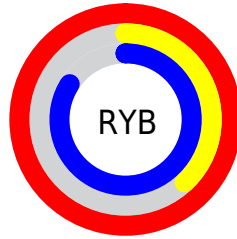
The XYZ color **57.6886, 34.5320, 67.9148** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.0292, 75.7850, 35.5500**, and the grayscale version is **31.9552, 33.6193, 36.6115**.

A 20% lighter version of the original color is **71.0113, 51.9227, 100.8871**, and **29.1985, 14.8354, 34.5823** is the 20% darker color. If you saturate the color by 10%, you get **54.9194, 30.2871, 63.0042**, and if you desaturate by 10%, it is **61.2459, 40.3012, 73.2484**.

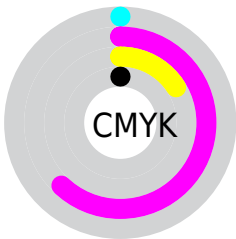
Distribution



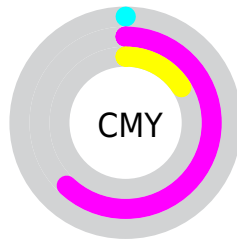
- Red (100%)
- Green (38%)
- Blue (84%)



- Red (100%)
- Yellow (38%)
- Blue (84%)



- Cyan (0%)
- Magenta (62%)
- Yellow (16%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.6886, 34.5320, 67.9148 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 57.6886, 34.5320, 67.9148 by changing the saturation by 10% instead.


 57.6886, 34.5320,
67.9148

 57.6886, 34.5320,
67.9148

405.9972,
322.4978, 471.7839


 41.8006, 23.3026,
49.3622


 100.5948, 66.7601,
117.8833


 29.1356, 14.8171,
34.5392


 128.3438, 88.5276,
150.1363

 19.3283, 8.6911,
23.0275


 160.7772,
114.5766, 187.7931

 12.0131, 4.5403,
14.4083

 198.2603,
145.2915, 231.2723

 6.8249, 1.9801,
8.2632

241.1585,
181.0567, 280.9925

 3.3982, 0.5959,
4.1736

289.8371,

 1.3677, 0.0000,

222.2565, 337.3721

1.7211

344.6616,
269.2754, 400.8297

■ 0.2330, 0.0000,
0.3751

■ 0.0000, 0.0000,
0.0000

■ 57.6886, 34.5320,
67.9148

■ 57.6886, 34.5320,
67.9148

■ 54.9194, 30.2871,
63.0042

■ 61.2459, 40.3012,
73.2484

■ 52.8595, 27.4097,
58.4873


■ 65.6551, 47.7220,
79.0269


■ 51.4175, 25.7175,
54.3322

■ 70.9761, 56.9135,
85.2723

■ 50.6271, 25.0148,
51.3619

■ 77.2626, 67.9825,
92.0043

 84.5640, 81.0274,
99.2410

 92.9264, 96.1396,
106.9995

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.



48.0586, 34.5320, 113.9621



57.6886, 34.5320, 67.9148



59.9932, 34.5320, 30.2568

Triad

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



57.6886, 34.5320, 67.9148



30.1462, 34.5320, 3.2753



18.1713, 34.5320, 90.2371

Complementary

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



57.6886, 34.5320, 67.9148



45.0292, 75.7850, 35.5500

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.



15.4154, 34.5320, 46.0433



57.6886, 34.5320, 67.9148



21.2027, 34.5320, 6.3519

Square

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



57.6886, 34.5320, 67.9148



42.1713, 34.5320, 4.2352



16.3784, 34.5320, 17.9908



24.9673, 34.5320, 131.2763

Rectangle

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



57.6886, 34.5320, 67.9148



56.6727, 34.5320, 15.4812



16.3784, 34.5320, 17.9908



16.8238, 34.5320, 74.5089

Sweetspot

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



57.6894, 34.5335, 67.9154



79.5931, 72.1275, 94.3714



32.3474, 20.8010, 96.9178



16.6087, 14.6777, 19.7660



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.



57.6894, 34.5335, 67.9154



54.3078, 29.3980, 61.7699



49.8502, 31.3978, 26.6347



18.5859, 18.2177, 21.7026



26.5170, 13.0961, 27.1705



2.6257, 1.2927, 2.8763

Inverse Universe

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



57.6894, 34.5335, 67.9154



54.3078, 29.3980, 61.7699



52.8829, 78.9265, 76.9070



18.5859, 18.2177, 21.7026



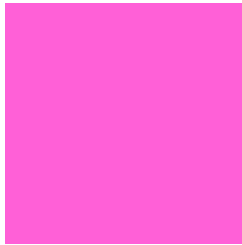
26.5170, 13.0961, 27.1705



2.6257, 1.2927, 2.8763

Previews

White Background



This preview shows how the XYZ color 57.6886, 34.5320, 67.9148 looks on a white background.

Color Contrast Check

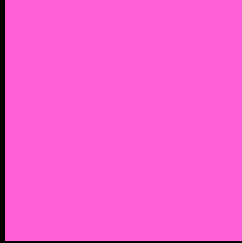
Large Text (above 18pt) WCAG AA × Fail

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 57.6886, 34.5320, 67.9148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

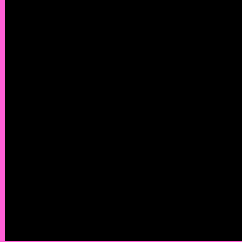
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.6886, 34.5320, 67.9148

Background



This preview shows how black text looks on a background with the XYZ color 57.6886, 34.5320, 67.9148.



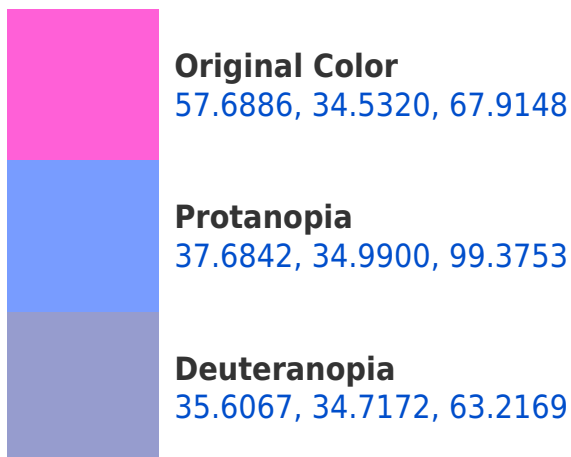
This preview shows how white text looks on a background with the XYZ color 57.6886, 34.5320,

67.9148.

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

48.4336, 34.3188, 24.1501

Trichromacy



Original Color

57.6886, 34.5320, 67.9148



Protanomaly

40.6155, 31.7765, 86.4309



Deuteranomaly

40.7728, 32.3450, 64.4159



Tritanomaly

51.0094, 34.0118, 36.6773

Monochromacy



Original Color

57.6886, 34.5320, 67.9148



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

38.6922, 31.8798, 46.2336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6886, 34.5320, 67.9148 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, 96, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 215)  
}
```

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, 96, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 215) }
```

Border

The CSS property to change the border of an element to XYZ 57.6886, 34.5320, 67.9148 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, 96, 215) }
```


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

```
.border{ border-color:rgb(255, 96, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 96, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6886, 34.5320, 67.9148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 215) }
```

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

```
.background{ background-color: rgb(255, 96,  
215) }
```

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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