

Converting Colors

XYZ(56.0489, 34.4867, 57.3982)

Have a look what the booklet for
XYZ(56.0489, 34.4867, 57.3982)
contains.

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Color

**XYZ(55.9902, 34.4516,
57.1249)**

Conversions

Conversions Part 1

Format	Color
Hex	FF64C6
RGB	255, 100, 198
RGB Percent	100%, 39%, 78%
CMY	0.0000, 0.6078, 0.2235
CMYK	0.00, 0.61, 0.22, 0.00
HSL	322°, 100%, 70%
HSV	322°, 61%, 100%
XYZ	55.9902, 34.4516, 57.1249
YIQ	157.5170, 60.9220, 63.3380

Conversions

Conversions Part 2

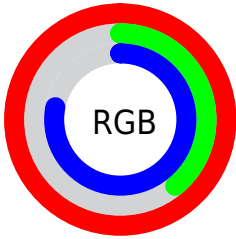
Format	Color
R _Y B	255, 100, 198
Decimal	16737478
CIE Lab	65.32, 68.63, -21.10
CIE LCh	65, 71.798, 342.909
Yxy	34.4516, 0.3794, 0.2335
Android (android.graphics.Color)	4294927558 (0xFFFF64C6)
YUV	157.5170, 19.9581, 85.4926
Hunter-Lab	58.6955, 67.5558, -16.6167

Details

The XYZ color **55.9902, 34.4516, 57.1249** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.1030, 76.6644, 44.2170**, and the grayscale version is **32.1758, 33.8514, 36.8642**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **28.1407, 14.8178, 27.7625** is the 20% darker color. If you saturate the color by 10%, you get **52.8673, 29.8835, 50.9114**, and if you desaturate by 10%, it is **59.9470, 40.5799, 63.9475**.

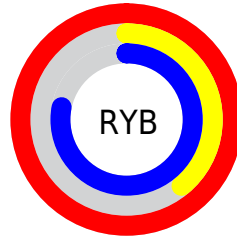
Distribution



Red (100%)

Green (39%)

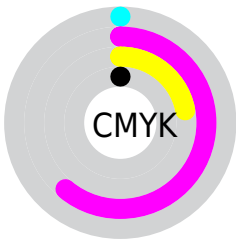
Blue (78%)



Red (100%)

Yellow (39%)

Blue (78%)

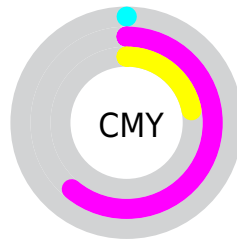


Cyan (0%)

Magenta (61%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9902, 34.4516, 57.1249 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 55.9902, 34.4516, 57.1249 by changing the saturation by 10% instead.


 55.9902, 34.4516,
57.1249


 55.9902, 34.4516,
57.1249

399.7302,
322.1411, 431.4240


 40.4320, 23.2407,
40.6955


 98.1301, 66.6353,
102.1496


 28.0613, 14.7714,
27.7633

 125.4426, 88.3770,
131.5819

 18.5125, 8.6591,
17.9098


 157.4039,
114.3977, 166.1856

 11.4205, 4.5195,
10.7165

 194.3794,
145.0819, 206.3793

 6.4198, 1.9682,
5.7648

236.7344,
180.8139, 252.5814

 3.1450, 0.5889,
2.6361

284.8343,

 1.2309, 0.0000,

221.9782, 305.2105

0.9110

339.0445,
268.9591, 364.6852

■ 0.1306, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.9902, 34.4516,
57.1249

■ 55.9902, 34.4516,
57.1249

■ 52.8673, 29.8835,
50.9114

■ 59.9470, 40.5799,
63.9475

■ 50.5002, 26.7219,
45.2740

■ 64.8007, 48.3931,
71.4050

■ 48.7997, 24.7904,
40.1773

■ 70.6111, 58.0089,
79.5233

■ 47.6926, 23.8410,
35.9089

■ 77.4321, 69.5329,
88.3257

85.3130, 83.0627,
97.8343

94.3003, 98.6889,
108.0695

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.



48.4445, 34.4516, 97.5314



55.9902, 34.4516, 57.1249



56.5354, 34.4516, 26.0542

Triad

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



55.9902, 34.4516, 57.1249



28.4524, 34.4516, 4.7131



20.1076, 34.4516, 92.0165

Complementary

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



55.9902, 34.4516, 57.1249



47.1030, 76.6644, 44.2170

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.



16.7871, 34.4516, 51.9154



55.9902, 34.4516, 57.1249



20.8671, 34.4516, 9.1551

Square

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



55.9902, 34.4516, 57.1249



39.0220, 34.4516, 4.9914



17.0317, 34.4516, 22.9967



27.1804, 34.4516, 123.9561

Rectangle

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



55.9902, 34.4516, 57.1249



52.7100, 34.4516, 14.1053



17.0317, 34.4516, 22.9967



18.5906, 34.4516, 78.3407

Sweetspot

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



55.9911, 34.4532, 57.1255



79.5152, 73.0901, 90.8982



36.4812, 23.4879, 97.2186



16.5534, 14.8484, 18.8801



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.



55.9911, 34.4532, 57.1255



52.2796, 29.0661, 49.6118



49.2292, 31.7485, 21.5180



18.4927, 18.1804, 21.2114



24.9948, 12.4872, 19.1551



2.4863, 1.2369, 2.1425

Inverse Universe

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



55.9911, 34.4532, 57.1255



52.2796, 29.0661, 49.6118



55.9159, 80.1896, 90.6251



18.4927, 18.1804, 21.2114



24.9948, 12.4872, 19.1551



2.4863, 1.2369, 2.1425

Previews

White Background



This preview shows how the XYZ color 55.9902, 34.4516, 57.1249 looks on a white background.

Color Contrast Check

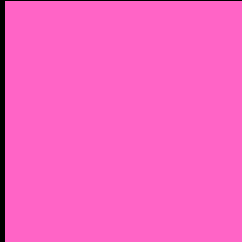
Large Text (above 18pt) WCAG AA × Fail

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 55.9902, 34.4516, 57.1249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

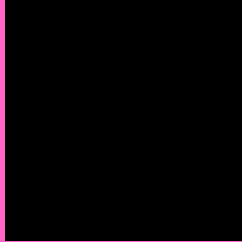
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.9902, 34.4516, 57.1249

Background



This preview shows how black text looks on a background with the XYZ color 55.9902, 34.4516, 57.1249.

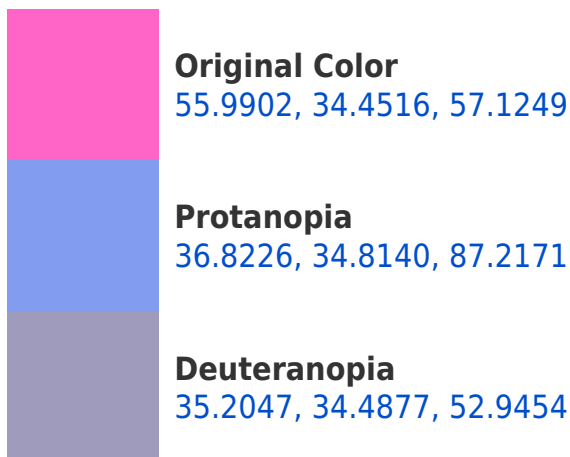


This preview shows how white text looks on a background with the XYZ color 55.9902, 34.4516,

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

48.8386, 34.1854, 23.7630

Trichromacy



Original Color

55.9902, 34.4516, 57.1249



Protanomaly

40.0740, 32.1585, 75.3293



Deuteranomaly

40.4265, 32.6031, 54.0315



Tritanomaly

51.1356, 34.1451, 33.6013

Monochromacy



Original Color

55.9902, 34.4516, 57.1249



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

38.4808, 32.2459, 43.7311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9902, 34.4516, 57.1249 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, 100, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 198)  
}
```

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, 100, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 198) }
```

Border

The CSS property to change the border of an element to XYZ 55.9902, 34.4516, 57.1249 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, 100, 198) }
```


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

```
.border{ border-color:rgb(255, 100, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9902, 34.4516, 57.1249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 198) }
```

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

```
.background{ background-color: rgb(255,  
100, 198) }
```

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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