

Converting Colors

XYZ(56.6517, 35.4340, 58.3948)

Have a look what the booklet for
XYZ(56.6517, 35.4340, 58.3948)
contains.

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Color

**XYZ(56.7169, 35.5333,
58.5129)**

Conversions

Conversions Part 1

Format	Color
Hex	FF69C8
RGB	255, 105, 200
RGB Percent	100%, 41%, 78%
CMY	0.0000, 0.5882, 0.2157
CMYK	0.00, 0.59, 0.22, 0.00
HSL	322°, 100%, 71%
HSV	322°, 59%, 100%
XYZ	56.7169, 35.5333, 58.5129
YIQ	160.6800, 58.9050, 61.3450

Conversions

Conversions Part 2

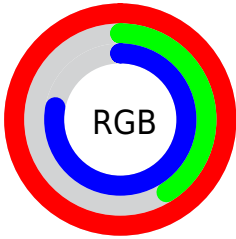
Format	Color
R _Y B	255, 105, 200
Decimal	16738760
CIE Lab	66.16, 66.80, -20.94
CIE LCh	66, 70.008, 342.592
Yxy	35.5333, 0.3762, 0.2357
Android (android.graphics.Color)	4294928840 (0xFFFF69C8)
YUV	160.6800, 19.3848, 82.7186
Hunter-Lab	59.6098, 65.5201, -16.4721

Details

The XYZ color **56.7169, 35.5333, 58.5129** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.9325, 77.0621, 45.6093**, and the grayscale version is **33.6232, 35.3742, 38.5225**.

A 20% lighter version of the original color is **72.2103, 54.3207, 101.2868**, and **28.5579, 15.4052, 28.6625** is the 20% darker color. If you saturate the color by 10%, you get **53.4383, 30.6718, 52.1924**, and if you desaturate by 10%, it is **60.8425, 41.9816, 65.4462**.

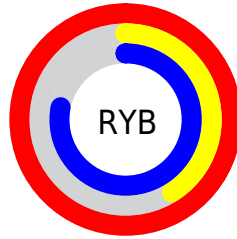
Distribution



Red (100%)

Green (41%)

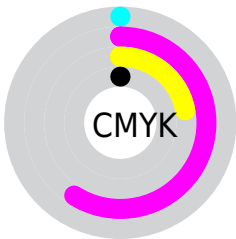
Blue (78%)



Red (100%)

Yellow (41%)

Blue (78%)

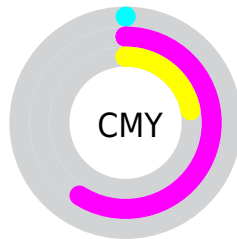


Cyan (0%)

Magenta (59%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7169, 35.5333, 58.5129 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 56.7169, 35.5333, 58.5129 by changing the saturation by 10% instead.

 56.7169, 35.5333,
58.5129

 56.7169, 35.5333,
58.5129

402.4190,
326.9161, 436.7459


 41.0172, 24.0740,
41.8037


 99.1857, 68.3111,
104.1915


 28.5203, 15.3885,
28.6232


 126.6856, 90.3984,
133.9980

 18.8607, 9.0925,
18.5528


 158.8496,
116.7971, 169.0074

 11.6731, 4.8016,
11.1741


 196.0431,
147.8917, 209.6382

 6.5921, 2.1313,
6.0684

238.6315,
184.0664, 256.3089

 3.2524, 0.6821,
2.8173

286.9800,

 1.2886, 0.0000,

225.7058, 309.4380

1.0021

341.4540,
273.1942, 369.4442

■ 0.1747, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7169, 35.5333,
58.5129

■ 56.7169, 35.5333,
58.5129

■ 53.4383, 30.6718,
52.1924

■ 60.8425, 41.9816,
65.4462

■ 50.9308, 27.2476,
46.4525

■ 65.8767, 50.1384,
73.0175

■ 49.1089, 25.0914,
41.2591

■ 71.8782, 60.1191,
81.2523

■ 47.8476, 23.9553,
36.5643

■ 78.8997, 72.0276,
90.1735

■ 47.7169, 23.8507,
36.0367

■ 86.9902, 85.9599,
99.8027

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.



49.2230, 35.5333, 98.1464



56.7169, 35.5333, 58.5129



57.3345, 35.5333, 27.4830

Triad

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



56.7169, 35.5333, 58.5129



29.5922, 35.5333, 5.3677



21.0699, 35.5333, 91.9432

Complementary

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



56.7169, 35.5333, 58.5129



47.9325, 77.0621, 45.6093

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.



17.7546, 35.5333, 52.5912



56.7169, 35.5333, 58.5129



21.9507, 35.5333, 9.9614

Square

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



56.7169, 35.5333, 58.5129



40.1268, 35.5333, 5.7089



18.0399, 35.5333, 23.9410



28.1286, 35.5333, 123.2934

Rectangle

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



56.7169, 35.5333, 58.5129



53.6150, 35.5333, 15.2867



18.0399, 35.5333, 23.9410



19.5528, 35.5333, 78.5436

Sweetspot

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



56.7178, 35.5350, 58.5136



79.5225, 73.0930, 90.9365



37.6006, 24.7989, 97.4126



16.5552, 14.8491, 18.8895



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.



56.7178, 35.5350, 58.5136



52.8287, 29.8082, 50.8929



49.9945, 32.8457, 23.1092



18.4935, 18.1807, 21.2160



25.0075, 12.4923, 19.2216



2.4875, 1.2374, 2.1487

Inverse Universe

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



56.7178, 35.5350, 58.5136



52.8287, 29.8082, 50.8929



56.5822, 80.5220, 91.1582



18.4935, 18.1807, 21.2160



25.0075, 12.4923, 19.2216



2.4875, 1.2374, 2.1487

Previews

White Background



This preview shows how the XYZ color 56.7169, 35.5333, 58.5129 looks on a white background.

Color Contrast Check

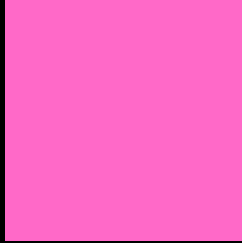
Large Text (above 18pt) WCAG AA × Fail

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 56.7169, 35.5333, 58.5129 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 56.7169, 35.5333, 58.5129

Background



This preview shows how black text looks on a background with the XYZ color 56.7169, 35.5333, 58.5129.

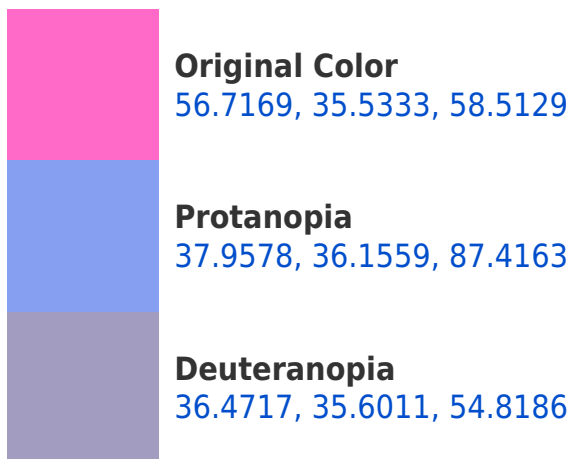


This preview shows how white text looks on a background with the XYZ color 56.7169, 35.5333,

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

49.5780, 35.2429, 25.3086

Trichromacy



Original Color

56.7169, 35.5333, 58.5129



Protanomaly

41.1833, 33.3665, 75.5039



Deuteranomaly

41.7038, 33.8529, 55.9660



Tritanomaly

51.8308, 35.1373, 35.0607

Monochromacy



Original Color

56.7169, 35.5333, 58.5129



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

39.7684, 33.7470, 44.9752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7169, 35.5333, 58.5129 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, 105, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 200)  
}
```

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, 105, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 200) }
```

Border

The CSS property to change the border of an element to XYZ 56.7169, 35.5333, 58.5129 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, 105, 200) }
```


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

```
.border{ border-color:rgb(255, 105, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7169, 35.5333, 58.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 200) }
```

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

```
.background{ background-color: rgb(255,  
105, 200) }
```

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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