

Converting Colors

XYZ(55.8482, 33.7959, 58.2233)

Have a look what the booklet for
XYZ(55.8482, 33.7959, 58.2233)
contains.

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Color

**XYZ(55.8482, 33.7959,
58.2233)**

Conversions

Conversions Part 1

Format	Color
Hex	FF60C8
RGB	255, 96, 200
RGB Percent	100%, 38%, 78%
CMY	0.0000, 0.6235, 0.2157
CMYK	0.00, 0.62, 0.22, 0.00
HSL	321°, 100%, 69%
HSV	321°, 62%, 100%
XYZ	55.8482, 33.7959, 58.2233
YIQ	155.3970, 61.3800, 66.0520

Conversions

Conversions Part 2

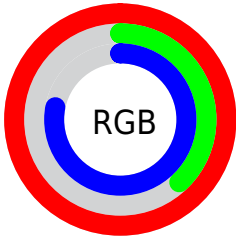
Format	Color
R _Y B	255, 96, 200
Decimal	16736456
CIE Lab	64.80, 70.51, -23.02
CIE LCh	65, 74.174, 341.917
Yxy	33.7959, 0.3777, 0.2286
Android (android.graphics.Color)	4294926536 (0xFFFF60C8)
YUV	155.3970, 21.9893, 87.3518
Hunter-Lab	58.1342, 69.7458, -18.6869

Details

The XYZ color **55.8482, 33.7959, 58.2233** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.1714, 76.2419, 41.5643**, and the grayscale version is **31.2196, 32.8454, 35.7687**.

A 20% lighter version of the original color is **70.8456, 51.5912, 100.8319**, and **28.0859, 14.4613, 28.5051** is the 20% darker color. If you saturate the color by 10%, you get **52.8859, 29.4737, 52.2954**, and if you desaturate by 10%, it is **59.6259, 39.6533, 64.7172**.

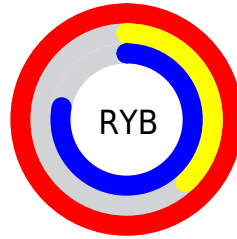
Distribution



Red (100%)

Green (38%)

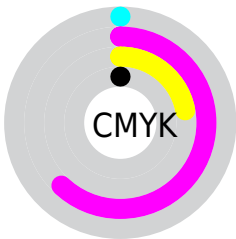
Blue (78%)



Red (100%)

Yellow (38%)

Blue (78%)

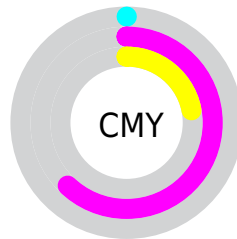


Cyan (0%)

Magenta (62%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (62%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8482, 33.7959, 58.2233 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 55.8482, 33.7959, 58.2233 by changing the saturation by 10% instead.


 55.8482, 33.7959,
58.2233


 55.8482, 33.7959,
58.2233

399.2035,
319.2210, 435.6390


 40.3177, 22.7368,
41.5723


 97.9237, 65.6162,
103.7660


 27.9717, 14.3993,
28.4435


 125.1994, 87.1461,
133.4947

 18.4447, 8.3989,
18.4183


 157.1210,
112.9352, 168.4198

 11.3713, 4.3513,
11.0782

 194.0538,
143.3678, 208.9597

 6.3863, 1.8719,
6.0046

236.3630,
178.8283, 255.5330

 3.1242, 0.5314,
2.7790

284.4141,

 1.2198, 0.0000,

219.7011, 308.5583

0.9829

338.5725,
266.3705, 368.4541

■ 0.1219, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.8482, 33.7959,
58.2233

■ 55.8482, 33.7959,
58.2233

■ 52.8859, 29.4737,
52.2954

■ 59.6259, 39.6533,
64.7172

■ 50.6593, 26.5297,
46.9010

■ 64.2833, 47.1734,
71.8022

■ 49.0765, 24.7811,
42.0048

■ 69.8808, 56.4756,
79.5035

■ 48.1955, 24.0422,
38.5572

■ 76.4727, 67.6668,
87.8439

84.1091, 80.8457,
96.8444

92.8364, 96.1040,
106.5248

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.



47.8761, 33.7959, 100.1519



55.8482, 33.7959, 58.2233



56.6784, 33.7959, 25.9461

Triad

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



55.8482, 33.7959, 58.2233



28.0676, 33.7959, 4.0452



19.1426, 33.7959, 91.6878

Complementary

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



55.8482, 33.7959, 58.2233



46.1714, 76.2419, 41.5643

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.



15.9348, 33.7959, 50.3188



55.8482, 33.7959, 58.2233



20.2694, 33.7959, 8.1007

Square

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



55.8482, 33.7959, 58.2233



38.9227, 33.7959, 4.4324



16.2955, 33.7959, 21.4029



26.1635, 33.7959, 125.7241

Rectangle

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



55.8482, 33.7959, 58.2233



52.8816, 33.7959, 13.6494



16.2955, 33.7959, 21.4029



17.6608, 33.7959, 77.4417

Sweetspot

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



55.8491, 33.7975, 58.2239



78.9118, 71.8551, 90.7841



34.6292, 21.9774, 97.0247



16.4430, 14.6114, 18.8931



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.



55.8491, 33.7975, 58.2239



52.2274, 28.5659, 50.8150



48.9680, 31.0451, 21.9890



18.5101, 18.1873, 21.3032



25.2563, 12.5918, 20.5320



2.5106, 1.2466, 2.2705

Inverse Universe

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



55.8491, 33.7975, 58.2239



52.2274, 28.5659, 50.8150



54.6581, 79.6366, 86.2549



18.5101, 18.1873, 21.3032



25.2563, 12.5918, 20.5320



2.5106, 1.2466, 2.2705

Previews

White Background



This preview shows how the XYZ color 55.8482, 33.7959, 58.2233 looks on a white background.

Color Contrast Check

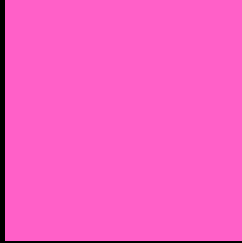
Large Text (above 18pt) WCAG AA × Fail

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 55.8482, 33.7959, 58.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

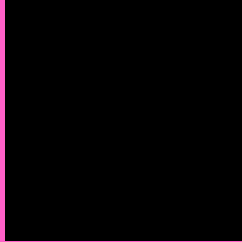
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8482, 33.7959, 58.2233

Background



This preview shows how black text looks on a background with the XYZ color 55.8482, 33.7959, 58.2233.

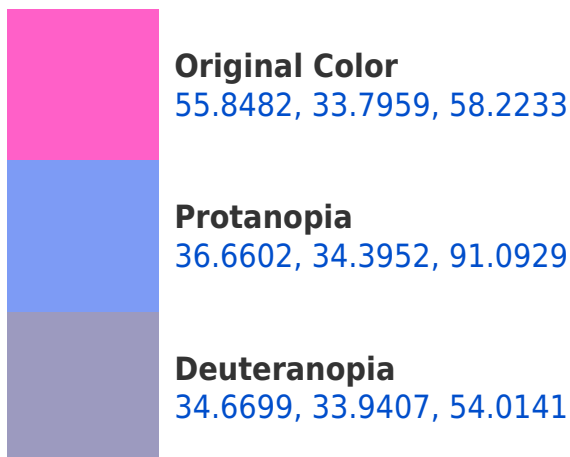


This preview shows how white text looks on a background with the XYZ color 55.8482, 33.7959,

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

48.4173, 33.6480, 22.6817

Trichromacy



Original Color

55.8482, 33.7959, 58.2233



Protanomaly

39.6812, 31.4780, 78.1132



Deuteranomaly

39.8634, 31.8766, 55.0907



Tritanomaly

50.7321, 33.4687, 33.0644

Monochromacy



Original Color

55.8482, 33.7959, 58.2233



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

37.3616, 31.0668, 42.5554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8482, 33.7959, 58.2233 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 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, 96, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 200) }
```

Border

The CSS property to change the border of an element to XYZ 55.8482, 33.7959, 58.2233 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, 200) }
```


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

```
.border{ border-color:rgb(255, 96, 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, 96, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8482, 33.7959, 58.2233 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, 200) }
```

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

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