

Converting Colors

XYZ(70.6760, 41.3828, 56.4710)

Have a look what the booklet for
XYZ(70.6760, 41.3828, 56.4710)
contains.

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Color

**XYZ(55.2960, 33.4299,
55.7628)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5FC4
RGB	255, 95, 196
RGB Percent	100%, 37%, 77%
CMY	0.0000, 0.6274, 0.2314
CMYK	0.00, 0.63, 0.23, 0.00
HSL	322°, 100%, 69%
HSV	322°, 63%, 100%
XYZ	55.2960, 33.4299, 55.7628
YIQ	154.3540, 62.9390, 65.3310

Conversions

Conversions Part 2

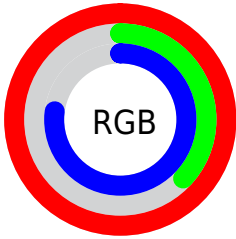
Format	Color
R _Y B	255, 95, 196
Decimal	16736196
CIE Lab	64.51, 70.39, -21.21
CIE LCh	65, 73.513, 343.232
Yxy	33.4299, 0.3827, 0.2314
Android (android.graphics.Color)	4294926276 (0xFFFF5FC4)
YUV	154.3540, 20.5315, 88.2665
Hunter-Lab	57.8186, 69.5296, -16.7089

Details

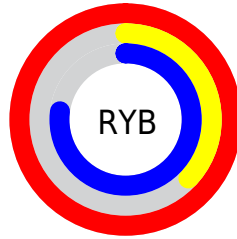
The XYZ color **55.2960, 33.4299, 55.7628** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **46.3136, 76.2867, 42.8591**, and the grayscale version is **30.7653, 32.3675, 35.2482**.

A 20% lighter version of the original color is **70.3609, 51.1343, 99.0900**, and **27.7358, 14.2504, 26.8799** is the 20% darker color. If you saturate the color by 10%, you get **52.3261, 29.1497, 49.6565**, and if you desaturate by 10%, it is **59.0861, 39.2429, 62.4742**.

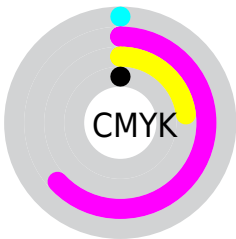
Distribution



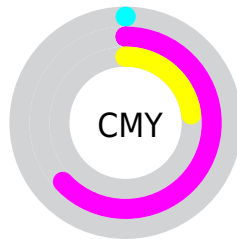
- Red (100%)
- Green (37%)
- Blue (77%)



- Red (100%)
- Yellow (37%)
- Blue (77%)



- Cyan (0%)
- Magenta (63%)
- Yellow (23%)
- Black (0%)





- Cyan (0%)
- Magenta (63%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2960, 33.4299, 55.7628 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 55.2960, 33.4299, 55.7628 by changing the saturation by 10% instead.

 55.2960, 33.4299,
55.7628


 55.2960, 33.4299,
55.7628


397.1512,
317.5825, 426.1601


 39.8735, 22.4560,
39.6101

 97.1203, 65.0461,
100.1400


 27.6237, 14.1923,
26.9232

 124.2529, 86.4572,
129.2016

 18.1812, 8.2546,
17.2836


 156.0195,
112.1162, 163.4031

 11.1806, 4.2583,
10.2728

 192.7855,
142.4074, 203.1633

 6.2567, 1.8191,
5.4722

234.9164,
177.7152, 248.9005

 3.0439, 0.4990,
2.4634

282.7774,

 1.1770, 0.0000,

218.4241, 301.0333

0.8207

336.7338,
264.9183, 359.9804

■ 0.0881, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2960, 33.4299,
55.7628

■ 55.2960, 33.4299,
55.7628

■ 52.3261, 29.1497,
49.6565

■ 59.0861, 39.2429,
62.4742

■ 50.0961, 26.2440,
44.1215


■ 63.7612, 46.7168,
69.8172


■ 48.5130, 24.5286,
39.1209

■ 69.3824, 55.9716,
77.8180

■ 47.6699, 23.8320,
35.7895

■ 76.0042, 67.1147,
86.5006

 83.6770, 80.2452,
95.8871

 92.4476, 95.4551,
105.9984

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.



47.7099, 33.4299, 96.8854



55.2960, 33.4299, 55.7628



55.7638, 33.4299, 24.7016

Triad

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



55.2960, 33.4299, 55.7628



27.3724, 33.4299, 4.1385



19.2155, 33.4299, 92.1199

Complementary

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



55.2960, 33.4299, 55.7628



46.3136, 76.2867, 42.8591

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.



15.8918, 33.4299, 51.3069



55.2960, 33.4299, 55.7628



19.8524, 33.4299, 8.4311

Square

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



55.2960, 33.4299, 55.7628



37.9631, 33.4299, 4.3591



16.0959, 33.4299, 22.1345



26.2972, 33.4299, 124.5990

Rectangle

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



55.2960, 33.4299, 55.7628



51.8349, 33.4299, 13.0143



16.0959, 33.4299, 22.1345



17.6994, 33.4299, 78.1828

Sweetspot

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



55.2969, 33.4315, 55.7634



78.7495, 71.7901, 89.9293



35.4071, 22.2438, 97.0351



16.4036, 14.5956, 18.6857



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.



55.2969, 33.4315, 55.7634



51.7608, 28.3792, 48.3578



48.5052, 30.7148, 19.9991



18.4918, 18.1801, 21.2072



24.9831, 12.4825, 19.0930



2.4852, 1.2365, 2.1367

Inverse Universe

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



55.2969, 33.4315, 55.7634



51.7608, 28.3792, 48.3578



55.2838, 79.8748, 90.0955



18.4918, 18.1801, 21.2072



24.9831, 12.4825, 19.0930



2.4852, 1.2365, 2.1367

Previews

White Background



This preview shows how the XYZ color 55.2960, 33.4299, 55.7628 looks on a white background.

Color Contrast Check

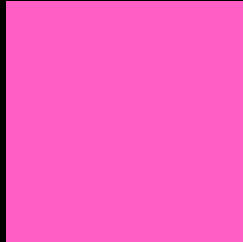
Large Text (above 18pt) WCAG AA × Fail

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 55.2960, 33.4299, 55.7628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

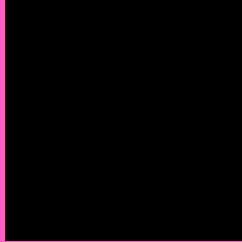
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.2960, 33.4299, 55.7628

Background



This preview shows how black text looks on a background with the XYZ color 55.2960, 33.4299, 55.7628.

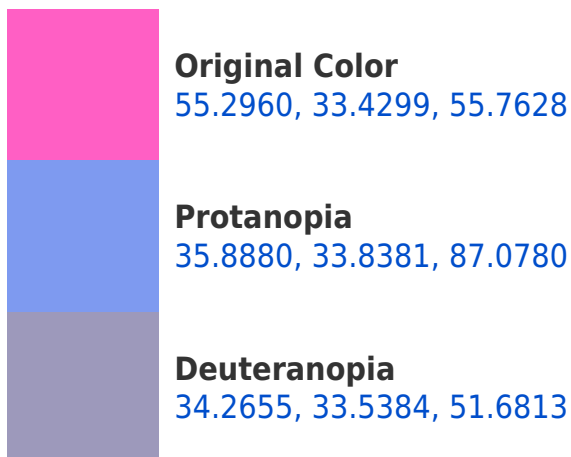


This preview shows how white text looks on a background with the XYZ color 55.2960, 33.4299,

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

48.1799, 33.3716, 21.9912

Trichromacy



Original Color

55.2960, 33.4299, 55.7628



Protanomaly

39.0757, 31.0411, 74.4530



Deuteranomaly

39.5378, 31.5577, 52.7226



Tritanomaly

50.3867, 33.1627, 31.7624

Monochromacy



Original Color

55.2960, 33.4299, 55.7628



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

37.0348, 30.7160, 41.5129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2960, 33.4299, 55.7628 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, 95, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 95, 196)  
}
```

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, 95, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 196) }
```

Border

The CSS property to change the border of an element to XYZ 55.2960, 33.4299, 55.7628 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, 95, 196) }
```


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

```
.border{ border-color:rgb(255, 95, 196) }
```

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

Here you see how a box with a 4 pixel rgb(255, 95, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 95, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 95, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 95,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2960, 33.4299, 55.7628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 95, 196) }
```

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

```
.background{ background-color: rgb(255, 95,  
196) }
```

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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