

Converting Colors

XYZ(55.7060, 31.8261, 63.3729)

Have a look what the booklet for
XYZ(55.7060, 31.8261, 63.3729)
contains.

XYZ(55.7659, 31.8980, 63.5393)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.7659, 31.8980,
63.5393)**

Conversions

Conversions Part 1

Format	Color
Hex	FF52D1
RGB	255, 82, 209
RGB Percent	100%, 32%, 82%
CMY	0.0000, 0.6784, 0.1804
CMYK	0.00, 0.68, 0.18, 0.00
HSL	316°, 100%, 66%
HSV	316°, 68%, 100%
XYZ	55.7659, 31.8980, 63.5393
YIQ	148.2050, 62.3410, 76.1730

Conversions

Conversions Part 2

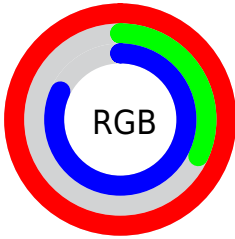
Format	Color
R_{YB}	255, 82, 209
Decimal	16732881
CIE _{Lab}	63.26, 76.95, -30.48
CIE _{LCh}	63, 82.766, 338.392
Yxy	31.8980, 0.3688, 0.2110
Android (android.graphics.Color)	4294922961 (0xFFFF52D1)
YUV	148.2050, 29.9719, 93.6592
Hunter-Lab	56.4783, 77.4114, -27.1677

Details

The XYZ color **55.7659, 31.8980, 63.5393** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **43.1373, 74.8730, 32.6035**, and the grayscale version is **28.0961, 29.5592, 32.1900**.

A 20% lighter version of the original color is **69.1125, 48.1249, 100.2542**, and **28.0809, 13.8024, 31.7560** is the 20% darker color. If you saturate the color by 10%, you get **53.3657, 28.4127, 58.6852**, and if you desaturate by 10%, it is **58.9173, 36.8284, 68.8208**.

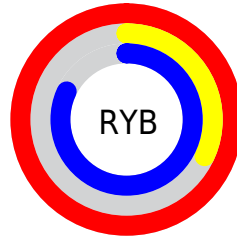
Distribution



Red (100%)

Green (32%)

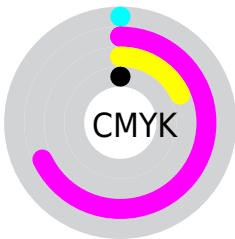
Blue (82%)



Red (100%)

Yellow (32%)

Blue (82%)

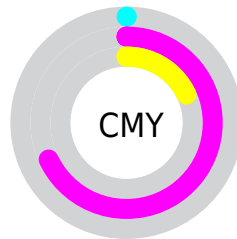


Cyan (0%)

Magenta (68%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (68%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7659, 31.8980, 63.5393 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 55.7659, 31.8980, 63.5393 by changing the saturation by 10% instead.


 55.7659, 31.8980,
63.5393

 55.7659, 31.8980,
63.5393

398.8980,
310.6543, 455.6858


 40.2515, 21.2836,
45.8338


 97.8040, 62.6512,
111.5403

 27.9198, 13.3315,
31.7670


 125.0585, 83.5587,
142.6728

 18.4054, 7.6572,
20.9203


 156.9570,
108.6661, 179.1182

 11.3428, 3.8764,
12.8750

 193.8649,
138.3577, 221.2949

 6.3669, 1.6047,
7.2128

236.1476,
173.0179, 269.6215

 3.1122, 0.3607,
3.5151

284.1705,

 1.2134, 0.0000,

213.0312, 324.5165

1.3633

338.2988,
258.7819, 386.3984

■ 0.1169, 0.0000,
0.1128

■ 0.0000, 0.0000,
0.0000

■ 55.7659, 31.8980,
63.5393

■ 55.7659, 31.8980,
63.5393

■ 53.3657, 28.4127,
58.6852

■ 58.9173, 36.8284,
68.8208

■ 51.6303, 26.2005,
54.2265

■ 62.8890, 43.3417,
74.5538

■ 50.4481, 25.0389,
50.1241

■ 67.7446, 51.5641,
80.7620

■ 50.2304, 24.8562,
49.2727

■ 73.5406, 61.6081,
87.4662

■ 80.3287, 73.5765,
94.6857

■ 88.1568, 87.5643,
102.4384

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.



46.1652, 31.8980, 111.3892



55.7659, 31.8980, 63.5393



57.7596, 31.8980, 26.3111

Triad

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



55.7659, 31.8980, 63.5393



27.2144, 31.8980, 2.2364



16.1192, 31.8980, 90.5145

Complementary

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



55.7659, 31.8980, 63.5393



43.1373, 74.8730, 32.6035

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.



13.3261, 31.8980, 44.7803



55.7659, 31.8980, 63.5393



18.5890, 31.8980, 5.0341

Square

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



55.7659, 31.8980, 63.5393



39.1780, 31.8980, 2.8963



14.0993, 31.8980, 16.2901



22.9060, 31.8980, 132.6448

Rectangle

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



55.7659, 31.8980, 63.5393



54.1277, 31.8980, 12.5361



14.0993, 31.8980, 16.2901



14.7713, 31.8980, 74.2115

Sweetspot

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



55.7667, 31.8995, 63.5399



78.7757, 70.8229, 93.0813



29.5630, 17.6353, 96.4536



16.4442, 14.4221, 19.4844



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.



55.7667, 31.8995, 63.5399



52.7498, 27.5846, 57.2348



47.9761, 28.7832, 22.5153



18.5744, 18.2131, 21.6417



26.3116, 13.0139, 26.0892



2.6072, 1.2852, 2.7787

Inverse Universe

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



55.7667, 31.8995, 63.5399



52.7498, 27.5846, 57.2348



51.0929, 78.0552, 74.4970



18.5744, 18.2131, 21.6417



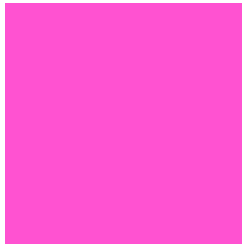
26.3116, 13.0139, 26.0892



2.6072, 1.2852, 2.7787

Previews

White Background



This preview shows how the XYZ color 55.7659, 31.8980, 63.5393 looks on a white background.

Color Contrast Check

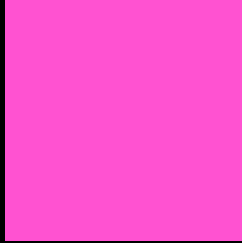
Large Text (above 18pt) WCAG AA × Fail

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 55.7659, 31.8980, 63.5393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

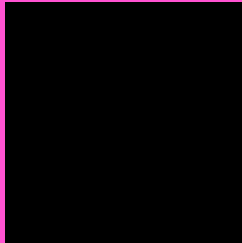
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.7659, 31.8980, 63.5393

Background



This preview shows how black text looks on a background with the XYZ color 55.7659, 31.8980, 63.5393.



This preview shows how white text looks on a background with the XYZ color 55.7659, 31.8980,

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



Original Color

55.7659, 31.8980, 63.5393

Protanopia

35.3868, 32.3477, 98.9864

Deuteranopia

32.8770, 32.1860, 58.5126



Tritanopia

46.6271, 31.7911, 20.2018

Trichromacy



Original Color

55.7659, 31.8980, 63.5393



Protanomaly

37.8705, 28.6268, 84.4185



Deuteranomaly

38.0075, 29.4239, 60.1761



Tritanomaly

49.0338, 31.2654, 32.3046

Monochromacy



Original Color

55.7659, 31.8980, 63.5393



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

34.9569, 27.8824, 41.5696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7659, 31.8980, 63.5393 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, 82, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 209)  
}
```

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, 82, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 209) }
```

Border

The CSS property to change the border of an element to XYZ 55.7659, 31.8980, 63.5393 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, 82, 209) }
```


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

```
.border{ border-color:rgb(255, 82, 209) }
```

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

Here you see how a box with a 4 pixel rgb(255, 82, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7659, 31.8980, 63.5393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 209) }
```

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

```
.background{ background-color: rgb(255, 82,  
209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor