

Converting Colors

XYZ(55.7774, 30.7210, 67.2427)

Have a look what the booklet for
XYZ(55.7774, 30.7210, 67.2427)
contains.

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Color

**XYZ(55.7590, 30.6728,
67.2716)**

Conversions

Conversions Part 1

Format	Color
Hex	FF47D7
RGB	255, 71, 215
RGB Percent	100%, 28%, 84%
CMY	0.0000, 0.7215, 0.1569
CMYK	0.00, 0.72, 0.16, 0.00
HSL	313°, 100%, 64%
HSV	313°, 72%, 100%
XYZ	55.7590, 30.6728, 67.2716
YIQ	142.4320, 63.4400, 83.7920

Conversions

Conversions Part 2

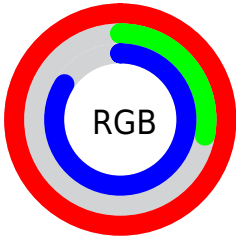
Format	Color
RYB	255, 71, 215
Decimal	16730071
CIELab	62.23, 81.36, -35.46
CIELCh	62, 88.756, 336.451
Yxy	30.6728, 0.3628, 0.1996
Android (android.graphics.Color)	4294920151 (0xFFFF47D7)
YUV	142.4320, 35.7760, 98.7221
Hunter-Lab	55.3830, 82.7915, -33.2491

Details

The XYZ color **55.7590, 30.6728, 67.2716** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **41.2291, 74.0079, 27.1538**, and the grayscale version is **25.7292, 27.0691, 29.4782**.

A 20% lighter version of the original color is **67.8151, 45.5302, 99.8217**, and **28.5933, 14.0074, 34.4544** is the 20% darker color. If you saturate the color by 10%, you get **53.7633, 27.8021, 63.1512**, and if you desaturate by 10%, it is **58.4601, 34.9154, 71.7468**.

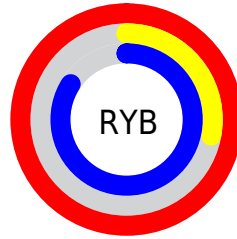
Distribution



Red (100%)

Green (28%)

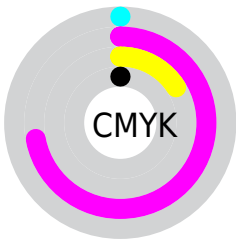
Blue (84%)



Red (100%)

Yellow (28%)

Blue (84%)

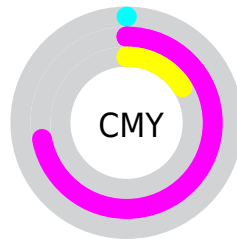


Cyan (0%)

Magenta (72%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7590, 30.6728, 67.2716 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 55.7590, 30.6728, 67.2716 by changing the saturation by 10% instead.


 55.7590, 30.6728,
67.2716

 55.7590, 30.6728,
67.2716


398.8724,
305.0281, 469.4387


 40.2460, 20.3498,
48.8424

 97.7940, 60.7246,
116.9538

 27.9154, 12.6496,
34.1298

 125.0466, 81.2221,
149.0440

 18.4021, 7.1877,
22.7151


 156.9432,
105.8800, 186.5248

 11.3405, 3.5798,
14.1800

 193.8491,
135.0826, 229.8149

 6.3653, 1.4414,
8.1058

236.1296,
169.2143, 279.3328

 3.1112, 0.2469,
4.0740

284.1501,

 1.2128, 0.0000,

208.6595, 335.4970

1.6660

338.2759,
253.8027, 398.7262

■ 0.1165, 0.0000,
0.3373

■ 0.0000, 0.0000,
0.0000

■ 55.7590, 30.6728,
67.2716

■ 55.7590, 30.6728,
67.2716

■ 53.7633, 27.8021,
63.1512

■ 58.4601, 34.9154,
71.7468

■ 52.3790, 26.1162,
59.3523

■ 61.9404, 40.6775,
76.6017

■ 51.6143, 25.4097,
56.5602

■ 66.2665, 48.0919,
81.8600

■ 71.4973, 57.2760,
87.5423

77.6863, 68.3362,
93.6675

84.8827, 81.3707,
100.2533

93.1322, 96.4709,
107.3158

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.



45.0815, 30.6728, 119.4525



55.7590, 30.6728, 67.2716



58.5334, 30.6728, 26.5245

Triad

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



55.7590, 30.6728, 67.2716



26.6430, 30.6728, 1.3849



14.2801, 30.6728, 89.8788

Complementary

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



55.7590, 30.6728, 67.2716



41.2291, 74.0079, 27.1538

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.



11.7397, 30.6728, 41.3657



55.7590, 30.6728, 67.2716



17.5036, 30.6728, 3.4828

Square

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



55.7590, 30.6728, 67.2716



39.3525, 30.6728, 2.0860



12.7325, 30.6728, 13.3744



20.8892, 30.6728, 137.6269

Rectangle

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



55.7590, 30.6728, 67.2716



55.0034, 30.6728, 11.7971



12.7325, 30.6728, 13.3744



13.0182, 30.6728, 72.2133

Sweetspot

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



55.7597, 30.6742, 67.2722



77.7885, 68.5201, 93.7645



26.8438, 15.0993, 96.1074



16.2689, 13.9815, 19.7040



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.



55.7597, 30.6742, 67.2722



53.0223, 26.8498, 61.2718



47.0779, 27.2014, 21.5543



18.6136, 18.2288, 21.8486



27.0274, 13.3003, 29.8586



2.6715, 1.3110, 3.1175

Inverse Universe

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



55.7597, 30.6742, 67.2722



53.0223, 26.8498, 61.2718



49.1233, 77.1656, 68.7239



18.6136, 18.2288, 21.8486



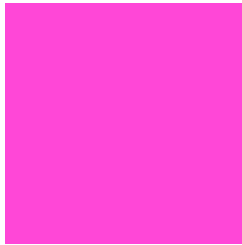
27.0274, 13.3003, 29.8586



2.6715, 1.3110, 3.1175

Previews

White Background



This preview shows how the XYZ color 55.7590, 30.6728, 67.2716 looks on a white background.

Color Contrast Check

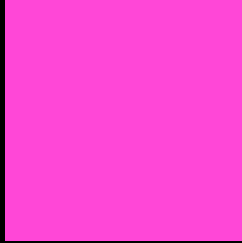
Large Text (above 18pt) WCAG AA × Fail

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 55.7590, 30.6728, 67.2716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

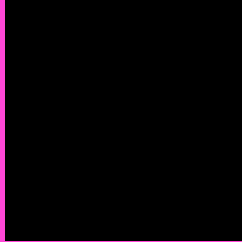
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.7590, 30.6728, 67.2716

Background



This preview shows how black text looks on a background with the XYZ color 55.7590, 30.6728, 67.2716.



This preview shows how white text looks on a background with the XYZ color 55.7590, 30.6728,

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

55.7590, 30.6728, 67.2716

Protanopia

34.1926, 31.0305, 98.7951

Deuteranopia

31.4807, 30.6903, 61.3914



Tritanopia

45.4757, 30.4608, 18.5216

Trichromacy



Original Color

55.7590, 30.6728, 67.2716



Protanomaly

36.6231, 26.8559, 85.6915



Deuteranomaly

36.6920, 27.5707, 63.0623



Tritanomaly

48.3189, 29.9640, 31.6707

Monochromacy



Original Color

55.7590, 30.6728, 67.2716



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

32.9353, 25.4226, 40.7073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7590, 30.6728, 67.2716 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, 71, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 215)  
}
```

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, 71, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 215) }
```

Border

The CSS property to change the border of an element to XYZ 55.7590, 30.6728, 67.2716 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, 71, 215) }
```


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

```
.border{ border-color:rgb(255, 71, 215) }
```

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

Here you see how a box with a 4 pixel rgb(255, 71, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7590, 30.6728, 67.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 215) }
```

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

```
.background{ background-color: rgb(255, 71,  
215) }
```

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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