

Converting Colors

XYZ(55.2495, 30.5098, 64.4626)

Have a look what the booklet for
XYZ(55.2495, 30.5098, 64.4626)
contains.

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Color

**XYZ(55.2511, 30.4696,
64.5972)**

Conversions

Conversions Part 1

Format	Color
Hex	FF47D3
RGB	255, 71, 211
RGB Percent	100%, 28%, 83%
CMY	0.0000, 0.7215, 0.1725
CMYK	0.00, 0.72, 0.17, 0.00
HSL	314°, 100%, 64%
HSV	314°, 72%, 100%
XYZ	55.2511, 30.4696, 64.5972
YIQ	141.9760, 64.7240, 82.5480

Conversions

Conversions Part 2

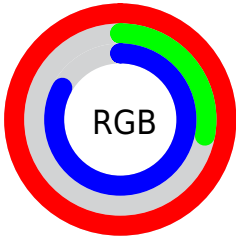
Format	Color
R _Y B	255, 71, 211
Decimal	16730067
CIE Lab	62.06, 80.84, -33.47
CIE LCh	62, 87.492, 337.507
Yxy	30.4696, 0.3676, 0.2027
Android (android.graphics.Color)	4294920147 (0xFFFF47D3)
YUV	141.9760, 34.0288, 99.1220
Hunter-Lab	55.1993, 82.0689, -30.7449

Details

The XYZ color **55.2511, 30.4696, 64.5972** 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 **41.4544, 74.0980, 28.3401**, and the grayscale version is **25.5554, 26.8862, 29.2791**.

A 20% lighter version of the original color is **67.8151, 45.5302, 99.8217**, and **28.2489, 13.8696, 32.6407** is the 20% darker color. If you saturate the color by 10%, you get **53.2056, 27.5790, 60.2149**, and if you desaturate by 10%, it is **58.0068, 34.7341, 69.3600**.

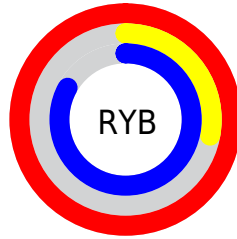
Distribution



Red (100%)

Green (28%)

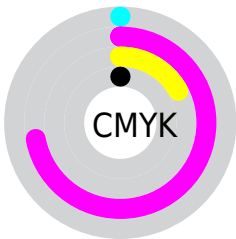
Blue (83%)



Red (100%)

Yellow (28%)

Blue (83%)

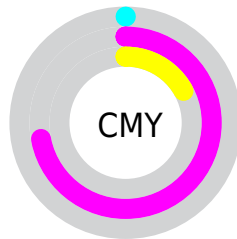


Cyan (0%)

Magenta (72%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2511, 30.4696, 64.5972 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 55.2511, 30.4696, 64.5972 by changing the saturation by 10% instead.


 55.2511, 30.4696,
64.5972

 55.2511, 30.4696,
64.5972

396.9840,
304.0873, 459.6096


 39.8374, 20.1953,
46.6853


 97.0549, 60.4040,
113.0783

 27.5955, 12.5371,
32.4344


 124.1758, 80.8330,
144.4845

 18.1598, 7.1106,
21.4259


 155.9298,
105.4155, 181.2259

 11.1652, 3.5313,
13.2414

 192.6823,
134.5362, 223.7211

 6.2462, 1.4150,
7.4623

234.7986,
168.5793, 272.3884

 3.0374, 0.2278,
3.6701

282.6441,

 1.1736, 0.0000,

207.9292, 327.6466

1.4462

336.5841,
252.9704, 389.9142

■ 0.0854, 0.0000,
0.1773

■ 0.0000, 0.0000,
0.0000

■ 55.2511, 30.4696,
64.5972

■ 55.2511, 30.4696,
64.5972

■ 53.2056, 27.5790,
60.2149

■ 58.0068, 34.7341,
69.3600

■ 51.7764, 25.8751,
56.1793

■ 61.5467, 40.5200,
74.5285

■ 50.9797, 25.1559,
53.2188

■ 65.9374, 47.9602,
80.1267

■ 71.2378, 57.1721,
86.1759

77.5016, 68.2622,
92.6953

84.7781, 81.3288,
99.7028

93.1130, 96.4631,
107.2152

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.



45.0089, 30.4696, 115.5255



55.2511, 30.4696, 64.5972



57.6304, 30.4696, 25.4207

Triad

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



55.2511, 30.4696, 64.5972



26.1080, 30.4696, 1.4902



14.4810, 30.4696, 90.2220

Complementary

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



55.2511, 30.4696, 64.5972



41.4544, 74.0980, 28.3401

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.



11.8399, 30.4696, 42.3676



55.2511, 30.4696, 64.5972



17.2677, 30.4696, 3.7682

Square

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



55.2511, 30.4696, 64.5972



38.4922, 30.4696, 2.1130



12.7000, 30.4696, 14.0684



21.1484, 30.4696, 136.0540

Rectangle

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



55.2511, 30.4696, 64.5972



53.9763, 30.4696, 11.3672



12.7000, 30.4696, 14.0684



13.1882, 30.4696, 72.9304

Sweetspot

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



55.2518, 30.4710, 64.5978



77.6050, 68.4467, 92.7986



27.2357, 15.3013, 96.1257



16.2252, 13.9640, 19.4737



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.



55.2518, 30.4710, 64.5978



52.4424, 26.6178, 58.2176



46.8886, 27.1257, 20.5574



18.5960, 18.2217, 21.7557



26.6994, 13.1690, 28.1311



2.6421, 1.2992, 2.9628

Inverse Universe

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



55.2518, 30.4710, 64.5978



52.4424, 26.6178, 58.2176



49.4921, 77.3131, 70.6663



18.5960, 18.2217, 21.7557



26.6994, 13.1690, 28.1311



2.6421, 1.2992, 2.9628

Previews

White Background



This preview shows how the XYZ color 55.2511, 30.4696, 64.5972 looks on a white background.

Color Contrast Check

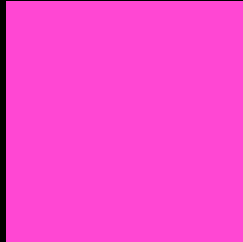
Large Text (above 18pt) WCAG AA × Fail

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 55.2511, 30.4696, 64.5972 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 55.2511, 30.4696, 64.5972

Background



This preview shows how black text looks on a background with the XYZ color 55.2511, 30.4696, 64.5972.



This preview shows how white text looks on a background with the XYZ color 55.2511, 30.4696,

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

55.2511, 30.4696, 64.5972

Protanopia

34.0772, 30.9710, 98.7897

Deuteranopia

31.3318, 30.6683, 58.9118



Tritanopia

45.6708, 30.4191, 18.2162

Trichromacy



Original Color

55.2511, 30.4696, 64.5972



Protanomaly

36.2774, 26.6947, 84.9019



Deuteranomaly

36.4379, 27.4959, 60.5135



Tritanomaly

48.0745, 29.7285, 30.8081

Monochromacy



Original Color

55.2511, 30.4696, 64.5972



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

32.7489, 25.3481, 39.7258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2511, 30.4696, 64.5972 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 211) }
```

Border

The CSS property to change the border of an element to XYZ 55.2511, 30.4696, 64.5972 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, 211) }
```


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

```
.border{ border-color:rgb(255, 71, 211) }
```

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, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2511, 30.4696, 64.5972 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, 211) }
```

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

```
.background{ background-color: rgb(255, 71,  
211) }
```

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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