

Converting Colors

XYZ(57.2076, 29.5412, 80.1751)

Have a look what the booklet for
XYZ(57.2076, 29.5412, 80.1751)
contains.

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Color

**XYZ(57.2751, 29.5682,
80.5304)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33EA
RGB	255, 51, 234
RGB Percent	100%, 20%, 92%
CMY	0.0000, 0.7999, 0.0824
CMYK	0.00, 0.80, 0.08, 0.00
HSL	306°, 100%, 60%
HSV	306°, 80%, 100%
XYZ	57.2751, 29.5682, 80.5304
YIQ	132.8580, 62.8410, 100.1610

Conversions

Conversions Part 2

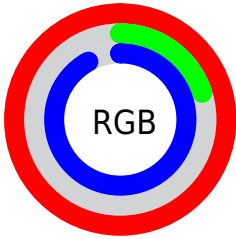
Format	Color
R _Y B	255, 51, 234
Decimal	16724970
CIE Lab	61.28, 89.22, -47.63
CIE LCh	61, 101.138, 331.906
Yxy	29.5682, 0.3422, 0.1767
Android (android.graphics.Color)	4294915050 (0xFFFF33EA)
YUV	132.8580, 49.8630, 107.1185
Hunter-Lab	54.3766, 92.8555, -49.7433

Details

The XYZ color **57.2751, 29.5682, 80.5304** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **38.2961, 72.6922, 18.1458**, and the grayscale version is **22.0540, 23.2025, 25.2676**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **30.2840, 14.6837, 43.3576** is the 20% darker color. If you saturate the color by 10%, you get **56.0756, 27.7682, 78.2838**, and if you desaturate by 10%, it is **59.0914, 32.5926, 83.0108**.

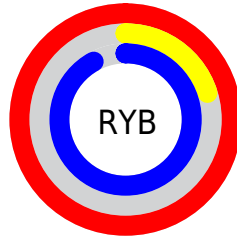
Distribution



Red (100%)

Green (20%)

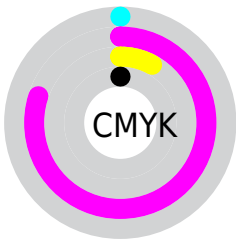
Blue (92%)



Red (100%)

Yellow (20%)

Blue (92%)

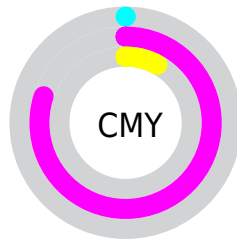


Cyan (0%)

Magenta (80%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.2751, 29.5682, 80.5304 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 57.2751, 29.5682, 80.5304 by changing the saturation by 10% instead.


 57.2751, 29.5682,
80.5304


 57.2751, 29.5682,
80.5304

404.4769,
299.8865, 516.4724

 41.4671, 19.5111,
59.6262


 99.9955, 58.9786,
135.9293


 28.8736, 12.0401,
42.6941

 127.6387, 79.1007,
171.2611

 19.1290, 6.7710,
29.3155


 159.9577,
103.3466, 212.2391

 11.8681, 3.3193,
19.0720

 197.3178,
132.1007, 259.2820

 6.7255, 1.3006,
11.5450

 240.0844,
165.7473, 312.8082

 3.3358, 0.1417,
6.3159

288.6229,

 1.3337, 0.0000,

204.6709, 373.2363

2.9662

343.2986,
249.2558, 440.9848

■ 0.2083, 0.0000,
1.0774

■ 0.0000, 0.0000,
0.0000

■ 57.2751, 29.5682,
80.5304

■ 57.2751, 29.5682,
80.5304

■ 56.0756, 27.7682,
78.2838

■ 59.0914, 32.5926,
83.0108

■ 55.3481, 26.9035,
76.2217

■ 61.6098, 37.0123,
85.7526

■ 55.3478, 26.9031,
76.2206

■ 64.9043, 42.9752,
88.7809

■ 69.0389, 50.6092,
92.1171

■ 74.0708, 60.0289,
95.7805

■ 80.0525, 71.3390,
99.7886

■ 87.0322, 84.6357,
104.1577

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.



43.9207, 29.5682, 143.1488



57.2751, 29.5682, 80.5304



62.2374, 29.5682, 29.8173

Triad

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



57.2751, 29.5682, 80.5304



27.2608, 29.5682, 0.3197



11.4925, 29.5682, 88.5666

Complementary

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



57.2751, 29.5682, 80.5304



38.2961, 72.6922, 18.1458

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.



9.4975, 29.5682, 34.6953



57.2751, 29.5682, 80.5304



16.6290, 29.5682, 1.4480

Square

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



57.2751, 29.5682, 80.5304



41.9644, 29.5682, 1.1610



11.0297, 29.5682, 8.5408



17.6903, 29.5682, 149.8441

Rectangle

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



57.2751, 29.5682, 80.5304



59.1729, 29.5682, 11.8574



11.0297, 29.5682, 8.5408



10.4155, 29.5682, 68.0239

Sweetspot

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



57.2758, 29.5694, 80.5309



77.5394, 66.5754, 98.1407



21.8633, 10.9441, 95.5678



16.1464, 13.3992, 20.7026



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.



57.2758, 29.5694, 80.5309



55.6054, 27.1833, 77.0310



46.6311, 25.3115, 24.4766



18.7073, 18.2662, 22.3419



28.9531, 14.0705, 39.9992



2.8413, 1.3789, 4.0118

Inverse Universe

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



57.2758, 29.5694, 80.5309



55.6054, 27.1833, 77.0310



44.7081, 75.2570, 51.9110



18.7073, 18.2662, 22.3419



28.9531, 14.0705, 39.9992



2.8413, 1.3789, 4.0118

Previews

White Background



This preview shows how the XYZ color 57.2751, 29.5682, 80.5304 looks on a white background.

Color Contrast Check

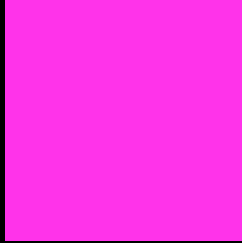
Large Text (above 18pt) WCAG AA ✓ Pass

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 57.2751, 29.5682, 80.5304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

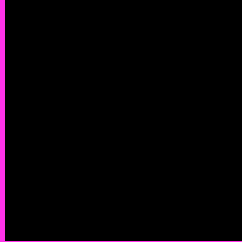
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 57.2751, 29.5682, 80.5304

Background



This preview shows how black text looks on a background with the XYZ color 57.2751, 29.5682, 80.5304.



This preview shows how white text looks on a background with the XYZ color 57.2751, 29.5682,

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

57.2751, 29.5682, 80.5304

Protanopia

33.2124, 30.0675, 98.6609

Deuteranopia

30.5551, 29.7327, 72.5352



Tritanopia

43.9784, 29.2673, 17.5186

Trichromacy



Original Color

57.2751, 29.5682, 80.5304



Protanomaly

35.9905, 25.0528, 90.9345



Deuteranomaly

35.2475, 25.1863, 74.9552



Tritanomaly

47.2838, 28.2938, 33.5410

Monochromacy



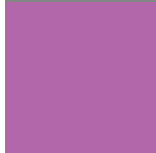
Original Color

57.2751, 29.5682, 80.5304



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

30.2374, 21.9499, 40.6733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.2751, 29.5682, 80.5304 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, 51, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 234)  
}
```

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, 51, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 234) }
```

Border

The CSS property to change the border of an element to XYZ 57.2751, 29.5682, 80.5304 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, 51, 234) }
```


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

```
.border{ border-color:rgb(255, 51, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 57.2751, 29.5682, 80.5304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 234) }
```

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

```
.background{ background-color: rgb(255, 51,  
234) }
```

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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