

Converting Colors

XYZ(58.0162, 29.5807, 97.2596)

Have a look what the booklet for
XYZ(58.0162, 29.5807, 97.2596)
contains.

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Color

**XYZ(57.9452, 29.5441,
97.2563)**

Conversions

Conversions Part 1

Format	Color
Hex	F833FF
RGB	248, 51, 255
RGB Percent	97%, 20%, 100%
CMY	0.0274, 0.8000, 0.0000
CMYK	0.03, 0.80, 0.00, 0.00
HSL	298°, 100%, 60%
HSV	298°, 80%, 100%
XYZ	57.9452, 29.5441, 97.2563
YIQ	133.1590, 51.9280, 105.2080

Conversions

Conversions Part 2

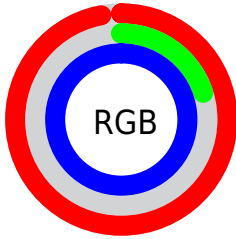
Format	Color
R _Y B	248, 51, 255
Decimal	16266239
CIE _{Lab}	61.26, 90.95, -59.41
CIE _{LCh}	61, 108.635, 326.849
Y _{xy}	29.5441, 0.3136, 0.1599
Android (android.graphics.Color)	4294456319 (0xFFFF833FF)
Y _{UV}	133.1590, 60.0676, 100.7156
Hunter-Lab	54.3545, 95.1716, -68.0393

Details

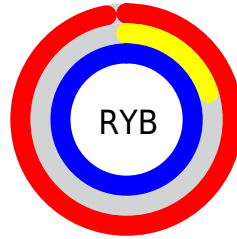
The XYZ color **57.9452, 29.5441, 97.2563** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **38.1033, 72.6589, 15.1496**, and the grayscale version is **22.1296, 23.2821, 25.3542**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **30.5716, 14.5960, 54.0293** is the 20% darker color. If you saturate the color by 10%, you get **56.8112, 27.7346, 96.9668**, and if you desaturate by 10%, it is **59.6927, 32.5767, 97.7495**.

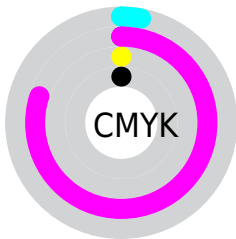
Distribution



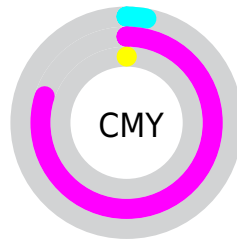
- Red (97%)
- Green (20%)
- Blue (100%)



- Red (97%)
- Yellow (20%)
- Blue (100%)



- Cyan (3%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.9452, 29.5441, 97.2563 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 57.9452, 29.5441, 97.2563 by changing the saturation by 10% instead.


 57.9452, 29.5441,
97.2563


 57.9452, 29.5441,
97.2563


406.9389,
299.7736, 572.5312


 42.0077, 19.4928,
73.4071

 100.9665, 58.9404,
159.4004

 29.2984, 12.0269,
53.8151


 128.7810, 79.0543,
198.5324


 19.4521, 6.7620,
38.0616


 161.2851,
103.2911, 243.5957

 12.1034, 3.3137,
25.7283

 198.8443,
132.0353, 295.0089

 6.8868, 1.2976,
16.3966

 241.8240,
165.6712, 353.1905

 3.4371, 0.1394,
9.6478

290.5894,

 1.3889, 0.0000,

204.5833, 418.5590

5.0636

345.5059,
249.1560, 491.5331

■ 0.2483, 0.0000,
2.2252

■ 0.0000, 0.0000,
0.6889

■ 57.9452, 29.5441,
97.2563

■ 57.9452, 29.5441,
97.2563

■ 56.8112, 27.7346,
96.9668

■ 59.6927, 32.5767,
97.7495

■ 56.1446, 26.8587,
96.8328

■ 62.1378, 37.0031,
98.4750

■ 56.1444, 26.8584,
96.8328

■ 65.3547, 42.9710,
99.4574

■ 69.4075, 50.6086,
100.7180

■ 74.3535, 60.0303,
102.2759

■ 80.2449, 71.3408,
104.1485

■ 87.1300, 84.6365,
106.3520

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.



42.4109, 29.5441, 165.8759



57.9452, 29.5441, 97.2563



65.4289, 29.5441, 36.6917

Triad

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



57.9452, 29.5441, 97.2563



29.6187, 29.5441, 0.0000



10.0058, 29.5441, 82.4149

Complementary

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



57.9452, 29.5441, 97.2563



38.1033, 72.6589, 15.1496

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.



8.6084, 29.5441, 28.0332



57.9452, 29.5441, 97.2563



17.4079, 29.5441, 0.6079

Square

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



57.9452, 29.5441, 97.2563



45.9493, 29.5441, 1.0267



10.7844, 29.5441, 5.4702



15.5741, 29.5441, 153.2953

Rectangle

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



57.9452, 29.5441, 97.2563



63.4488, 29.5441, 14.3237



10.7844, 29.5441, 5.4702



9.1363, 29.5441, 60.7984

Sweetspot

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



57.9463, 29.5454, 97.2565



77.7691, 66.5786, 103.3598



21.0958, 11.2841, 95.6739



16.2024, 13.3998, 21.9824



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.



57.9463, 29.5454, 97.2565



56.3781, 27.1432, 96.8754



49.0536, 26.2803, 37.2339



18.7274, 18.2667, 22.7887



29.3641, 14.0482, 50.5985



2.8776, 1.3774, 4.9275

Inverse Universe

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



43.1883, 23.9342, 6.3478



41.4649, 21.5271, 2.5680



42.0691, 74.2014, 38.0147



18.0346, 17.9972, 18.7995



21.5847, 11.1232, 1.1978



2.1101, 1.0864, 0.1613

Previews

White Background



This preview shows how the XYZ color 57.9452, 29.5441, 97.2563 looks on a white background.

Color Contrast Check

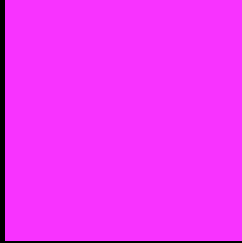
Large Text (above 18pt) WCAG AA ✓ Pass

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 57.9452, 29.5441, 97.2563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

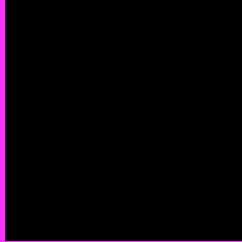
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 57.9452, 29.5441, 97.2563

Background



This preview shows how black text looks on a background with the XYZ color 57.9452, 29.5441, 97.2563.



This preview shows how white text looks on a background with the XYZ color 57.9452, 29.5441,

97.2563.

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

57.9452, 29.5441, 97.2563

Protanopia

33.1052, 30.0122, 98.6558

Deuteranopia

30.6835, 29.7043, 87.3354



Tritanopia

41.7937, 29.1419, 19.9452

Trichromacy



Original Color

57.9452, 29.5441, 97.2563



Protanomaly

36.6833, 25.2643, 97.5508



Deuteranomaly

34.5723, 24.6671, 90.1278



Tritanomaly

45.6431, 27.7836, 39.5163

Monochromacy



Original Color

57.9452, 29.5441, 97.2563



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

30.4653, 21.9888, 44.2335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.9452, 29.5441, 97.2563 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(248, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 51, 255)  
}
```

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(248, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.9452, 29.5441, 97.2563 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(248, 51, 255) }
```


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

```
.border{ border-color:rgb(248, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.9452, 29.5441, 97.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 51, 255) }
```

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

```
.background{ background-color: rgb(248, 51,  
255) }
```

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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