

Converting Colors

XYZ(57.5271, 27.9520, 87.1505)

Have a look what the booklet for
XYZ(57.5271, 27.9520, 87.1505)
contains.

XYZ(57.5262, 27.9481, 87.1566)	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(57.5262, 27.9481,
87.1566)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0AF3
RGB	255, 10, 243
RGB Percent	100%, 4%, 95%
CMY	0.0000, 0.9606, 0.0471
CMYK	0.00, 0.96, 0.05, 0.00
HSL	303°, 100%, 52%
HSV	303°, 96%, 100%
XYZ	57.5262, 27.9481, 87.1566
YIQ	109.8170, 71.2270, 124.4030

Conversions

Conversions Part 2

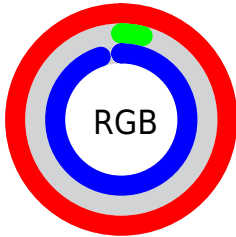
Format	Color
R _{YB}	255, 10, 243
Decimal	16714483
CIE _{Lab}	59.84, 96.04, -54.94
CIE _{LCh}	60, 110.639, 330.228
Yxy	27.9481, 0.3332, 0.1619
Android (android.graphics.Color)	4294904563 (0xFFFF0AF3)
YUV	109.8170, 65.6592, 127.3255
Hunter-Lab	52.8660, 101.7197, -60.7413

Details

The XYZ color **57.5262, 27.9481, 87.1566** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **36.0310, 71.6429, 12.6908**, and the grayscale version is **14.5802, 15.3395, 16.7047**.

A 20% lighter version of the original color is **64.5477, 38.9954, 98.7326**, and **30.8552, 14.8826, 47.7008** is the 20% darker color. If you saturate the color by 10%, you get **57.3435, 27.7014, 86.7298**, and if you desaturate by 10%, it is **58.2243, 29.0412, 88.3236**.

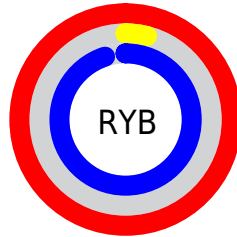
Distribution



Red (100%)

Green (4%)

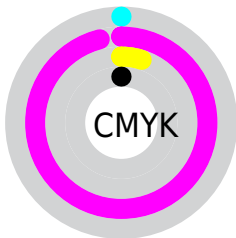
Blue (95%)



Red (100%)

Yellow (4%)

Blue (95%)

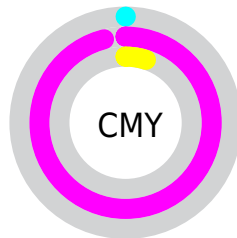


Cyan (0%)

Magenta (96%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (96%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.5262, 27.9481, 87.1566 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 57.5262, 27.9481, 87.1566 by changing the saturation by 10% instead.


 57.5262, 27.9481,
87.1566


 57.5262, 27.9481,
87.1566

405.4005,
292.2188, 539.0669

 41.6696, 18.2865,
65.0644


 100.3595, 56.4016,
145.2832

 29.0327, 11.1559,
47.0617


 128.0670, 75.9623,
182.1547


 19.2499, 6.1718,
32.7297


 160.4555, 99.5915,
224.7897

 11.9561, 2.9498,
21.6500

 197.8903,
127.6736, 273.6069

 6.7858, 1.1056,
13.4041

 240.7369,
160.5930, 329.0246

 3.3736, 0.0000,
7.5734

289.3605,

 1.3543, 0.0000,

198.7340, 391.4615

3.7394

344.1266,
242.4812, 461.3361

■ 0.2233, 0.0000,
1.4835

■ 0.0000, 0.0000,
0.2056

■ 57.5262, 27.9481,
87.1566

■ 57.5262, 27.9481,
87.1566

■ 57.3435, 27.7014,
86.7298

■ 58.2243, 29.0412,
88.3236

■ 59.4689, 31.2254,
89.6787

■ 61.3611, 34.7029,
91.2561

■ 63.9820, 39.6355,
93.0828

67.4007, 46.1618,
95.1818

71.6784, 54.4038,
97.5735

76.8702, 64.4721,
100.2763

83.0267, 76.4676,
103.3071

90.1948, 90.4843,
106.6815

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.5874, 27.9481, 157.8526



57.5262, 27.9481, 87.1566



63.6927, 27.9481, 30.1241

Triad

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



57.5262, 27.9481, 87.1566



26.4565, 27.9481, 0.0000



9.4104, 27.9481, 88.2359

Complementary

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



57.5262, 27.9481, 87.1566



36.0310, 71.6429, 12.6908

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.



7.6912, 27.9481, 30.7395



57.5262, 27.9481, 87.1566



15.1675, 27.9481, 0.5300

Square

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



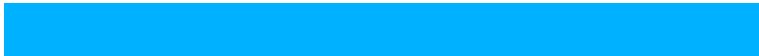
57.5262, 27.9481, 87.1566



42.3330, 27.9481, 0.4992



9.3567, 27.9481, 5.9333



15.2960, 27.9481, 158.7764

Rectangle

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



57.5262, 27.9481, 87.1566



60.7593, 27.9481, 10.7745



9.3567, 27.9481, 5.9333



8.4424, 27.9481, 65.7138

Sweetspot

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



57.5268, 27.9492, 87.1571



75.2462, 61.3169, 99.4485



18.4124, 7.5687, 95.0982



15.6325, 12.2066, 21.0396



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.



57.5268, 27.9492, 87.1571



57.3435, 27.7014, 86.7298



45.0098, 22.9424, 21.2436



18.7520, 18.2841, 22.5770



29.9800, 14.4813, 45.4067



2.9304, 1.4145, 4.4810

Inverse Universe

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



57.5268, 27.9492, 87.1571



57.3435, 27.7014, 86.7298



40.6703, 73.4986, 37.1208



18.7520, 18.2841, 22.5770



29.9800, 14.4813, 45.4067



2.9304, 1.4145, 4.4810

Previews

White Background



This preview shows how the XYZ color 57.5262, 27.9481, 87.1566 looks on a white background.

Color Contrast Check

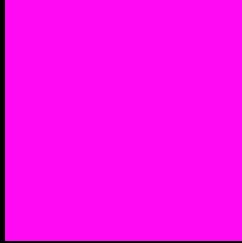
Large Text (above 18pt) WCAG AA ✓ Pass

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 57.5262, 27.9481, 87.1566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

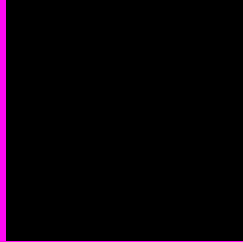
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 57.5262, 27.9481, 87.1566

Background



This preview shows how black text looks on a background with the XYZ color 57.5262, 27.9481, 87.1566.



This preview shows how white text looks on a background with the XYZ color 57.5262, 27.9481,

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

57.5262, 27.9481, 87.1566

Protanopia

31.7913, 28.4434, 98.4223

Deuteranopia

29.2746, 28.5049, 77.3578



Tritanopia

42.8568, 28.0258, 15.7211

Trichromacy



Original Color

57.5262, 27.9481, 87.1566



Protanomaly

33.9046, 21.2778, 93.5868



Deuteranomaly

32.6012, 21.3169, 79.4871



Tritanomaly

45.6461, 25.6733, 32.6866

Monochromacy



Original Color

57.5262, 27.9481, 87.1566



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

23.7246, 15.1527, 34.0221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5262, 27.9481, 87.1566 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, 10, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 243)  
}
```

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, 10, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 243) }
```

Border

The CSS property to change the border of an element to XYZ 57.5262, 27.9481, 87.1566 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, 10, 243) }
```


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

```
.border{ border-color:rgb(255, 10, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5262, 27.9481, 87.1566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 243) }
```

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

```
.background{ background-color: rgb(255, 10,  
243) }
```

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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