

Converting Colors

XYZ(54.7545, 26.1419, 96.7677)

Have a look what the booklet for
XYZ(54.7545, 26.1419, 96.7677)
contains.

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Color

**XYZ(54.6679, 26.0972,
96.7637)**

Conversions

Conversions Part 1

Format	Color
Hex	F200FF
RGB	242, 0, 255
RGB Percent	95%, 0%, 100%
CMY	0.0510, 0.9999, 0.0000
CMYK	0.05, 1.00, 0.00, 0.00
HSL	297°, 100%, 50%
HSV	297°, 100%, 100%
XYZ	54.6679, 26.0972, 96.7637
YIQ	101.4280, 62.3770, 130.6090

Conversions

Conversions Part 2

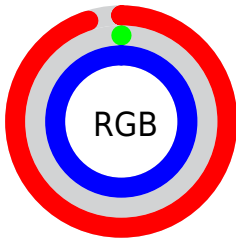
Format	Color
R_{YB}	242, 0, 255
Decimal	15859967
CIE _{Lab}	58.13, 96.29, -64.48
CIE _{LCh}	58, 115.887, 326.194
Yxy	26.0972, 0.3079, 0.1470
Android (android.graphics.Color)	4294050047 (0xFFFF200FF)
YUV	101.4280, 75.7110, 123.2816
Hunter-Lab	51.0854, 101.6182, -76.5447

Details

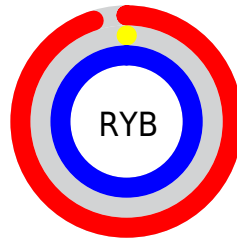
The XYZ color **54.6679, 26.0972, 96.7637** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.9267, 71.6059, 11.9288**, and the grayscale version is **12.2849, 12.9247, 14.0750**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **29.1341, 13.8550, 53.9621** is the 20% darker color. If you saturate the color by 10%, you get **54.6679, 26.0972, 96.7637**, and if you desaturate by 10%, it is **55.4756, 27.0468, 96.9044**.

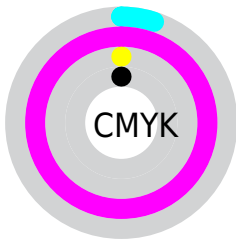
Distribution



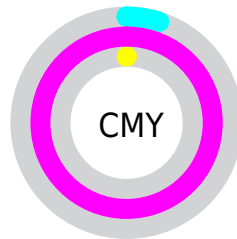
- Red (95%)
- Green (0%)
- Blue (100%)



- Red (95%)
- Yellow (0%)
- Blue (100%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.6679, 26.0972, 96.7637 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 54.6679, 26.0972, 96.7637 by changing the saturation by 10% instead.


 54.6679, 26.0972,
96.7637


 54.6679, 26.0972,
96.7637

394.8087,
283.2589, 570.9239

 39.3687, 16.8964,
72.9988


 96.2054, 53.4317,
158.7155


 27.2287, 10.1606,
53.4832


 123.1743, 72.3342,
197.7394


 17.8825, 5.5056,
37.7983


 154.7639, 95.2393,
242.6868

 10.9648, 2.5469,
25.5255

 191.3395,
122.5315, 293.9761

 6.1103, 0.9000,
16.2465

 233.2664,
154.5952, 352.0259

 2.9536, 0.0000,
9.5425

280.9100,

 1.1293, 0.0000,

191.8147, 417.2548

4.9951

334.6357,
234.5745, 490.0813

■ 0.0494, 0.0000,
2.1857

■ 0.0000, 0.0000,
0.6661

■ 54.6679, 26.0972,
96.7637

■ 55.4756, 27.0468,
96.9044

■ 56.7528, 28.9317,
97.2009

■ 58.6431, 32.0381,
97.7009

■ 61.2339, 36.5407,
98.4334

64.5984, 42.5859,
99.4229

68.8005, 50.3017,
100.6907

73.8976, 59.8027,
102.2560

79.9420, 71.1934,
104.1360

86.9819, 84.5703,
106.3470

Harmonies

Analogous

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



38.7270, 26.0972, 169.5038



54.6679, 26.0972, 96.7637



62.6551, 26.0972, 33.8607

Triad

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



54.6679, 26.0972, 96.7637



26.6394, 26.0972, 0.0000



7.6137, 26.0972, 78.0121

Complementary

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



54.6679, 26.0972, 96.7637



35.9267, 71.6059, 11.9288

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.



6.4450, 26.0972, 23.5877



54.6679, 26.0972, 96.7637



14.6967, 26.0972, 0.0000

Square

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



54.6679, 26.0972, 96.7637



43.0546, 26.0972, 0.2747



8.4582, 26.0972, 3.4573



12.6148, 26.0972, 153.1833

Rectangle

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



54.6679, 26.0972, 96.7637



60.7979, 26.0972, 11.8502



8.4582, 26.0972, 3.4573



6.8657, 26.0972, 55.8833

Sweetspot

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



54.6690, 26.0983, 96.7639



73.8898, 59.7879, 102.2536



18.2514, 7.6222, 95.1170



15.3315, 11.8918, 21.7372



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.



54.6690, 26.0983, 96.7639



54.6679, 26.0972, 96.7637



46.3139, 23.2902, 28.6471



18.6958, 18.2504, 22.7873



28.6050, 13.6569, 50.5630



2.8121, 1.3436, 4.9244

Inverse Universe

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



41.3133, 21.2899, 2.3138



41.3126, 21.2891, 2.3126



38.6033, 72.6574, 26.8905



18.0469, 18.0021, 18.8642



21.6022, 11.1302, 1.2898



2.1159, 1.0887, 0.1920

Previews

White Background



This preview shows how the XYZ color 54.6679, 26.0972, 96.7637 looks on a white background.

Color Contrast Check

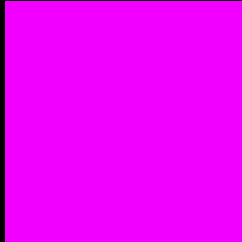
Large Text (above 18pt) WCAG AA ✓ Pass

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 54.6679, 26.0972, 96.7637 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 54.6679, 26.0972, 96.7637

Background



This preview shows how black text looks on a background with the XYZ color 54.6679, 26.0972, 96.7637.



This preview shows how white text looks on a background with the XYZ color 54.6679, 26.0972,

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

54.6679, 26.0972, 96.7637

Protanopia

30.3039, 26.8168, 98.1867

Deuteranopia

27.7851, 26.8662, 86.1593



Tritanopia

38.2624, 26.1834, 16.9472

Trichromacy



Original Color

54.6679, 26.0972, 96.7637



Protanomaly

32.1057, 19.5254, 96.6844



Deuteranomaly

29.4977, 18.7302, 88.4468



Tritanomaly

41.2214, 23.2289, 36.0292

Monochromacy



Original Color

54.6679, 26.0972, 96.7637



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

20.8681, 12.7765, 33.2645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.6679, 26.0972, 96.7637 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(242, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 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(242, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 54.6679, 26.0972, 96.7637 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(242, 0, 255) }
```


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

```
.border{ border-color:rgb(242, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 54.6679, 26.0972, 96.7637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 255) }
```

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

```
.background{ background-color: rgb(242, 0,  
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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