

# Converting Colors

XYZ(54.5400, 26.1708, 90.4560)

Have a look what the booklet for  
XYZ(54.5400, 26.1708, 90.4560)  
contains.

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# Color

**XYZ(54.4447, 26.1279,  
90.1693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F500F7
RGB	245, 0, 247
RGB Percent	96%, 0%, 97%
CMY	0.0392, 0.9998, 0.0314
CMYK	0.01, 1.00, 0.00, 0.03
HSL	300°, 100%, 48%
HSV	300°, 100%, 97%
XYZ	54.4447, 26.1279, 90.1693
YIQ	101.4130, 66.7330, 128.7570

# Conversions

## Conversions Part 2

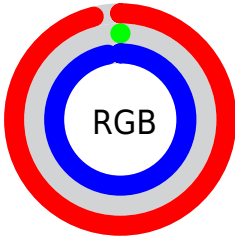
<b>Format</b>	<b>Color</b>
<b>RYB</b>	245, 0, 247
Decimal	16056567
CIELab	58.16, 95.60, -59.96
CIELCh	58, 112.847, 327.907
Yxy	26.1279, 0.3189, 0.1530
Android (android.graphics.Color)	4294246647 (0xFFFF500F7)
YUV	101.4130, 71.7744, 125.9258
Hunter-Lab	51.1155, 100.6740, -68.8086

# Details

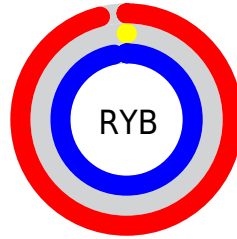
The XYZ color **54.4447, 26.1279, 90.1693** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **33.2867, 66.5350, 11.0894**, and the grayscale version is **12.2910, 12.9311, 14.0819**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **29.0614, 13.9081, 49.8680** is the 20% darker color. If you saturate the color by 10%, you get **54.4452, 26.1281, 90.1697**, and if you desaturate by 10%, it is **54.8573, 26.8485, 90.2870**.

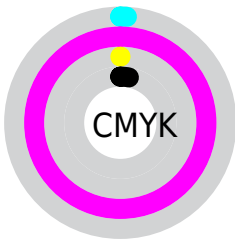
# Distribution



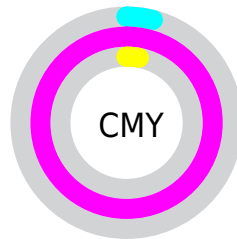
- Red (96%)
- Green (0%)
- Blue (97%)



- Red (96%)
- Yellow (0%)
- Blue (97%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)



- Cyan (4%)
- Magenta (100%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4447, 26.1279, 90.1693 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 54.4447, 26.1279, 90.1693 by changing the saturation by 10% instead.





 54.4447, 26.1279,  
90.1693

 54.4447, 26.1279,  
90.1693

393.9743,  
283.4094, 549.1657


 39.1894, 16.9193,  
67.5466

 95.8800, 53.4812,  
149.5111

 27.0885, 10.1770,  
49.0646


 122.7906, 72.3948,  
187.0673


 17.7766, 5.5165,  
34.3047


 154.3171, 95.3121,  
230.4383

 10.8884, 2.5534,  
22.8485

 190.8247,  
122.6176, 280.0428

 6.0586, 0.9033,  
14.2775

 232.6789,  
154.6957, 336.2992

 2.9217, 0.0000,  
8.1729

280.2450,

 1.1125, 0.0000,

191.9308, 399.6262

4.1165

333.8883,  
234.7072, 470.4421

■ 0.0356, 0.0000,  
1.6894

■ 0.0000, 0.0000,  
0.3535

■ 54.4447, 26.1279,  
90.1693

■ 54.4447, 26.1279,  
90.1693

■ 54.4452, 26.1281,  
90.1697

■ 54.8573, 26.8485,  
90.2870

■ 55.7019, 28.4340,  
90.5485

■ 57.1132, 31.1528,  
90.9989

■ 59.1718, 35.1661,  
91.6651

61.9454, 40.6093,  
92.5695

65.4931, 47.6005,  
93.7320

69.8679, 56.2458,  
95.1701

75.1181, 66.6419,  
96.9000

81.2884, 78.8779,  
98.9366

# Harmonies

## Analogous

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



39.2898, 26.1279, 160.4316



54.4447, 26.1279, 90.1693



61.4813, 26.1279, 31.2901

# Triad

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



54.4447, 26.1279, 90.1693



25.8070, 26.1279, 0.0000



8.0881, 26.1279, 80.2718

# Complementary

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



54.4447, 26.1279, 90.1693



33.2867, 66.5350, 11.0894

# 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.



6.7322, 26.1279, 25.7850



54.4447, 26.1279, 90.1693



14.4458, 26.1279, 0.0384

# Square

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



54.4447, 26.1279, 90.1693



41.5928, 26.1279, 0.3266



8.5514, 26.1279, 4.2613



13.3169, 26.1279, 151.8709



# Rectangle

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



54.4447, 26.1279, 90.1693



59.2103, 26.1279, 11.0051



8.5514, 26.1279, 4.2613



7.2724, 26.1279, 58.4623

# Sweetspot

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



54.4458, 26.1291, 90.1698



75.0826, 60.4029, 102.3094



16.8342, 6.8060, 88.4224



15.6222, 12.0417, 21.7509



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.



54.4458, 26.1291, 90.1698



58.5348, 28.0907, 96.9447



42.2308, 21.3241, 22.1872



17.1996, 16.7611, 20.8713



28.8005, 13.8215, 47.6879



2.5355, 1.2170, 4.1915



# Inverse Universe

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



38.3695, 19.7796, 1.8541



41.2513, 21.2645, 1.9895



36.6156, 67.8637, 28.7498



16.5046, 16.4847, 17.1379



20.2944, 10.4612, 0.9928



1.7856, 0.9202, 0.0971



# Previews

## White Background



This preview shows how the XYZ color 54.4447, 26.1279, 90.1693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

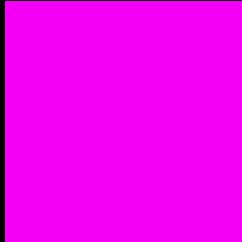
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.4447, 26.1279, 90.1693 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 54.4447, 26.1279, 90.1693**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4447, 26.1279, 90.1693.



This preview shows how white text looks on a background with the XYZ color 54.4447, 26.1279, 90.1693.



# 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

54.4447, 26.1279, 90.1693

### Protanopia

30.3039, 26.8168, 98.1867

### Deuteranopia

27.7182, 26.9660, 80.0880



## Tritanopia

39.0360, 26.1867, 15.8291

# Trichromacy



## Original Color

54.4447, 26.1279, 90.1693



## Protanomaly

31.7941, 19.4201, 94.1682



## Deuteranomaly

29.9267, 19.0895, 82.2281



## Tritanomaly

41.9000, 23.4740, 33.3329

# Monochromacy



## Original Color

54.4447, 26.1279, 90.1693



## Achromatopsia

12.3695, 13.0136, 14.1719



## Achromatomaly

20.8030, 12.7722, 31.9407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4447, 26.1279, 90.1693 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(245, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 247)  
}
```

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(245, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4447, 26.1279, 90.1693 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(245, 0, 247) }
```



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

```
.border{ border-color:rgb(245, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4447, 26.1279, 90.1693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 247) }
```

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

```
.background{ background-color: rgb(245, 0,  
247) }
```

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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