

# Converting Colors

XYZ(54.2715, 26.6105, 89.4880)

Have a look what the booklet for  
XYZ(54.2715, 26.6105, 89.4880)  
contains.

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# Color

**XYZ(54.3122, 26.6257,  
89.4655)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | F41AF6                      |
| RGB         | 244, 26, 246                |
| RGB Percent | 96%, 10%, 96%               |
| CMY         | 0.0431, 0.8980, 0.0353      |
| CMYK        | 0.01, 0.89, 0.00, 0.04      |
| HSL         | 299°, 92%, 53%              |
| HSV         | 299°, 89%, 96%              |
| XYZ         | 54.3122, 26.6257, 89.4655   |
| YIQ         | 116.2620, 59.3080, 114.6360 |

# Conversions

## Conversions Part 2

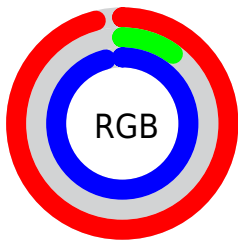
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 244, 26, 246                   |
| Decimal                             | 15997686                       |
| CIE Lab                             | 58.63, 93.25, -58.66           |
| CIE LCh                             | 59, 110.163, 327.827           |
| Yxy                                 | 26.6257, 0.3187,<br>0.1563     |
| Android<br>(android.graphics.Color) | 4294187766<br>(0xFFFF41AF6)    |
| YUV                                 | 116.2620, 63.9608,<br>112.0262 |
| Hunter-Lab                          | 51.6001, 97.5818,<br>-66.6784  |

# Details

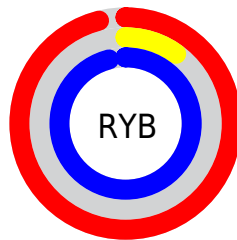
The XYZ color **54.3122, 26.6257, 89.4655** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **33.6220, 66.2336, 11.9908**, and the grayscale version is **16.4817, 17.3400, 18.8833**.

A 20% lighter version of the original color is **64.7586, 39.4173, 98.8029**, and **28.7137, 13.7414, 49.2831** is the 20% darker color. If you saturate the color by 10%, you get **53.8814, 25.8781, 89.3443**, and if you desaturate by 10%, it is **55.1884, 28.2618, 89.7355**.

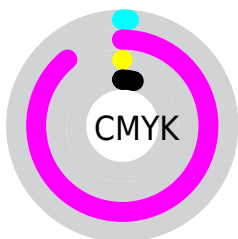
# Distribution



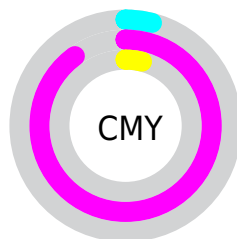
- Red (96%)
- Green (10%)
- Blue (96%)



- Red (96%)
- Yellow (10%)
- Blue (96%)



- Cyan (1%)
- Magenta (89%)
- Yellow (0%)
- Black (4%)




- Cyan (4%)
- Magenta (90%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.3122, 26.6257, 89.4655 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 54.3122, 26.6257, 89.4655 by changing the saturation by 10% instead.





 54.3122, 26.6257,  
89.4655

 54.3122, 26.6257,  
89.4655


393.4784,  
285.8402, 546.8158


 39.0830, 17.2923,  
66.9662

 95.6867, 54.2826,  
148.5248


 27.0053, 10.4431,  
48.5957


 122.5627, 73.3750,  
185.9218


 17.7138, 5.6937,  
33.9356


 154.0516, 96.4891,  
229.1218

 10.8432, 2.6598,  
22.5671

 190.5189,  
124.0094, 278.5434

 6.0280, 0.9568,  
14.0719

 232.3299,  
156.3203, 334.6050

 2.9029, 0.0000,  
8.0314

279.8499,

 1.1026, 0.0000,

193.8061, 397.7253

4.0270

333.4442,  
236.8513, 468.3227

■ 0.0273, 0.0000,  
1.6402

■ 0.0000, 0.0000,  
0.3192

■ 54.3122, 26.6257,  
89.4655

■ 54.3122, 26.6257,  
89.4655

■ 53.8814, 25.8781,  
89.3443

■ 55.1884, 28.2618,  
89.7355

■ 53.8615, 25.8450,  
89.3389

■ 56.6298, 31.0294,  
90.1937

■ 58.7165, 35.0873,  
90.8670

■ 61.5149, 40.5684,  
91.7774

65.0831, 47.5891,  
92.9445

69.4733, 56.2536,  
94.3855

74.7332, 66.6573,  
96.1164

80.9067, 78.8881,  
98.1518

88.0348, 93.0280,  
100.5054

# Harmonies

## Analogous

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



39.4884, 26.6257, 157.2940



54.3122, 26.6257, 89.4655



61.1959, 26.6257, 31.9065

# Triad

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



54.3122, 26.6257, 89.4655



26.3055, 26.6257, 0.0000



8.5738, 26.6257, 79.4964

# Complementary

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



54.3122, 26.6257, 89.4655



33.6220, 66.2336, 11.9908

# 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.



7.2021, 26.6257, 26.2585



54.3122, 26.6257, 89.4655



15.0064, 26.6257, 0.2556

# Square

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



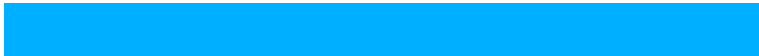
54.3122, 26.6257, 89.4655



41.8301, 26.6257, 0.5476



9.0618, 26.6257, 4.6698



13.8333, 26.6257, 148.7375



# Rectangle

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



54.3122, 26.6257, 89.4655



59.0069, 26.6257, 11.6469



9.0618, 26.6257, 4.6698



7.7474, 26.6257, 58.2865

# Sweetspot

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



54.3133, 26.6269, 89.4660



76.6508, 63.5426, 102.8328



17.5175, 7.7865, 87.7688



16.0191, 12.8352, 21.8831



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.



54.3133, 26.6269, 89.4660



58.4427, 28.0432, 96.9403



43.0858, 22.2165, 26.7034



17.1979, 16.7602, 20.8712



28.7561, 13.7986, 47.6858



2.5321, 1.2152, 4.1913



# Inverse Universe

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



38.5859, 20.4165, 3.0069



41.2527, 21.2651, 1.9968



37.5709, 67.8071, 33.0613



16.5053, 16.4850, 17.1414



20.2954, 10.4616, 0.9982



1.7859, 0.9203, 0.0988



# Previews

## White Background



This preview shows how the XYZ color 54.3122, 26.6257, 89.4655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

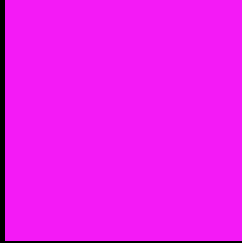
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 54.3122, 26.6257, 89.4655 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

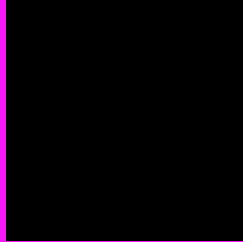
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 54.3122, 26.6257, 89.4655**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.3122, 26.6257, 89.4655.



This preview shows how white text looks on a background with the XYZ color 54.3122, 26.6257,

89.4655.

# 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

54.3122, 26.6257, 89.4655

### Protanopia

30.6182, 27.1908, 98.2423

### Deuteranopia

27.9848, 27.1035, 80.1005



## Tritanopia

39.3247, 26.6016, 16.4266

# Trichromacy



## Original Color

54.3122, 26.6257, 89.4655



## Protanomaly

32.8299, 21.2404, 94.4649



## Deuteranomaly

31.1709, 21.0684, 82.5445



## Tritanomaly

42.2498, 24.5275, 33.9599

# Monochromacy



## Original Color

54.3122, 26.6257, 89.4655



## Achromatopsia

16.6002, 17.4647, 19.0191



## Achromatomaly

24.8084, 16.6174, 36.5503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.3122, 26.6257, 89.4655 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(244, 26, 246)` looks like.

```
.text, #text, p{  
    color:rgb(244, 26, 246)  
}
```

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(244, 26, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 26, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 54.3122, 26.6257, 89.4655 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(244, 26, 246) }
```



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

```
.border{ border-color:rgb(244, 26, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 26, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 26, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 26, 246);  
box-shadow:4px 4px 4px 4px rgb(244, 26,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.3122, 26.6257, 89.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 26, 246) }
```

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

```
.background{ background-color: rgb(244, 26,  
246) }
```

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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