

# Converting Colors

XYZ(55.8144, 26.8759, 88.3409)

Have a look what the booklet for  
XYZ(55.8144, 26.8759, 88.3409)  
contains.

<b>XYZ(55.9058, 26.9166, 88.6351)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(55.9058, 26.9166,  
88.6351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA00F5
RGB	250, 0, 245
RGB Percent	98%, 0%, 96%
CMY	0.0196, 0.9998, 0.0392
CMYK	0.00, 1.00, 0.02, 0.02
HSL	301°, 100%, 49%
HSV	301°, 100%, 98%
XYZ	55.9058, 26.9166, 88.6351
YIQ	102.6800, 70.3550, 129.1950

# Conversions

## Conversions Part 2

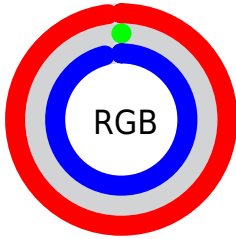
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 0, 245
Decimal	16384245
CIE <sub>Lab</sub>	58.90, 96.10, -57.61
CIE <sub>LCh</sub>	59, 112.045, 329.058
Yxy	26.9166, 0.3261, 0.1570
Android (android.graphics.Color)	4294574325 (0xFFFA00F5)
YUV	102.6800, 70.1638, 129.1996
Hunter-Lab	51.8812, 101.5547, -64.9756

# Details

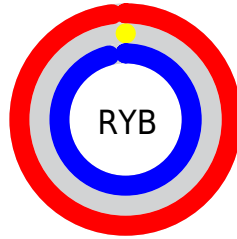
The XYZ color **55.9058, 26.9166, 88.6351** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **34.2143, 68.3835, 11.5410**, and the grayscale version is **12.6232, 13.2806, 14.4626**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **29.8161, 14.3222, 48.7699** is the 20% darker color. If you saturate the color by 10%, you get **55.9063, 26.9168, 88.6347**, and if you desaturate by 10%, it is **56.3315, 27.6447, 89.1544**.

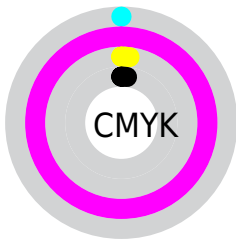
# Distribution



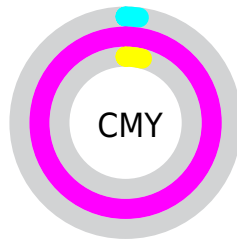
- Red (98%)
- Green (0%)
- Blue (96%)



- Red (98%)
- Yellow (0%)
- Blue (96%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9058, 26.9166, 88.6351 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 55.9058, 26.9166, 88.6351 by changing the saturation by 10% instead.





 55.9058, 26.9166,  
88.6351


 55.9058, 26.9166,  
88.6351


399.4172,  
287.2531, 544.0359


 40.3641, 17.5106,  
66.2818


 98.0074, 54.7500,  
147.3599


 28.0080, 10.5992,  
48.0433


 125.2981, 73.9462,  
184.5686


 18.4722, 5.7980,  
33.5009


 157.2358, 97.1746,  
227.5661

 11.3913, 2.7227,  
22.2362

 194.1859,  
124.8195, 276.7711

 6.3999, 0.9887,  
13.8306

 236.5137,  
157.2655, 332.6020

 3.1327, 0.0000,  
7.8655

284.5846,

 1.2243, 0.0000,

194.8968, 395.4774

3.9225

338.7640,  
238.0979, 465.8159

■ 0.1254, 0.0000,  
1.5829

■ 0.0000, 0.0000,  
0.2786

■ 55.9058, 26.9166,  
88.6351

■ 55.9058, 26.9166,  
88.6351

■ 55.9063, 26.9168,  
88.6347

■ 56.3315, 27.6447,  
89.1544

■ 57.2021, 29.2633,  
89.8230

■ 58.6557, 32.0473,  
90.6868

■ 60.7752, 36.1630,  
91.7737

■ 63.6304, 41.7497,  
93.1068

■ 67.2822, 48.9293,  
94.7064

■ 71.7852, 57.8109,  
96.5908

■ 77.1892, 68.4942,  
98.7766

■ 83.5402, 81.0711,  
101.2791

# Harmonies

## Analogous

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



40.8244, 26.9166, 159.3588



55.9058, 26.9166, 88.6351



62.5291, 26.9166, 30.5802

# Triad

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



55.9058, 26.9166, 88.6351



26.0240, 26.9166, 0.0000



8.6485, 26.9166, 84.1680

# Complementary

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



55.9058, 26.9166, 88.6351



34.2143, 68.3835, 11.5410

# 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.



7.1229, 26.9166, 28.0709



55.9058, 26.9166, 88.6351



14.7041, 26.9166, 0.2520

# Square

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



55.9058, 26.9166, 88.6351



41.8693, 26.9166, 0.3808



8.8628, 26.9166, 4.9796



14.1858, 26.9166, 155.5108



# Rectangle

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



55.9058, 26.9166, 88.6351



59.9235, 26.9166, 10.7887



8.8628, 26.9166, 4.9796



7.7621, 26.9166, 61.9409

# Sweetspot

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



55.9069, 26.9179, 88.6356



75.0646, 60.4219, 101.0273



17.3088, 6.9304, 90.8692



15.6178, 12.0464, 21.4380



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.



55.9069, 26.9179, 88.6356



58.4793, 28.1557, 92.7110



42.8679, 21.7023, 19.9730



17.9772, 17.5182, 21.7356



29.6609, 14.2801, 47.0502



2.7518, 1.3244, 4.3822



# Inverse Universe

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



55.9069, 26.9179, 88.6356



58.4793, 28.1557, 92.7110



38.1617, 69.9625, 32.3278



17.9772, 17.5182, 21.7356



29.6609, 14.2801, 47.0502



2.7518, 1.3244, 4.3822



# Previews

## White Background



This preview shows how the XYZ color 55.9058, 26.9166, 88.6351 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

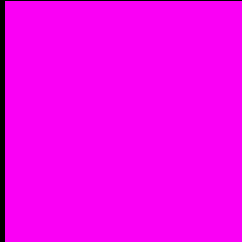
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9058, 26.9166, 88.6351 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

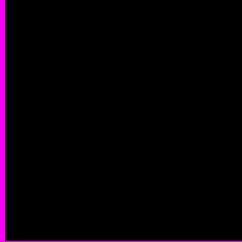
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 55.9058, 26.9166, 88.6351**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9058, 26.9166, 88.6351.



This preview shows how white text looks on a background with the XYZ color 55.9058, 26.9166,



# 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

55.9058, 26.9166, 88.6351

### Protanopia

31.0289, 27.6165, 98.3029

### Deuteranopia

28.3218, 27.5318, 78.6843



## Tritanopia

40.8421, 26.9872, 15.6268

# Trichromacy



## Original Color

55.9058, 26.9166, 88.6351



## Protanomaly

32.5794, 19.9642, 93.4031



## Deuteranomaly

30.9492, 19.7762, 80.7833



## Tritanomaly

43.4367, 24.1958, 32.9527

# Monochromacy



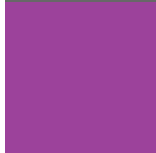
## Original Color

55.9058, 26.9166, 88.6351



## Achromatopsia

12.8919, 13.5633, 14.7705



## Achromatomaly

21.5749, 13.3309, 32.4463

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9058, 26.9166, 88.6351 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(250, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 245)  
}
```

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(250, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9058, 26.9166, 88.6351 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(250, 0, 245) }
```



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

```
.border{ border-color:rgb(250, 0, 245) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9058, 26.9166, 88.6351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 245) }
```

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

```
.background{ background-color: rgb(250, 0,  
245) }
```

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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