

Converting Colors

XYZ(55.9751, 26.9402, 89.1871)

Have a look what the booklet for
XYZ(55.9751, 26.9402, 89.1871)
contains.

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Color

**XYZ(56.0589, 26.9778,
89.4414)**

Conversions

Conversions Part 1

Format	Color
Hex	FA00F6
RGB	250, 0, 246
RGB Percent	98%, 0%, 96%
CMY	0.0196, 0.9998, 0.0353
CMYK	0.00, 1.00, 0.02, 0.02
HSL	301°, 100%, 49%
HSV	301°, 100%, 98%
XYZ	56.0589, 26.9778, 89.4414
YIQ	102.7940, 70.0340, 129.5060

Conversions

Conversions Part 2

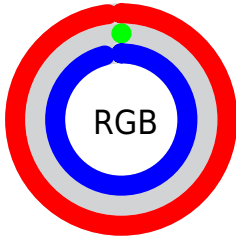
Format	Color
R_{YB}	250, 0, 246
Decimal	16384246
CIE _{Lab}	58.95, 96.24, -58.08
CIE _{LCh}	59, 112.403, 328.890
Yxy	26.9778, 0.3250, 0.1564
Android (android.graphics.Color)	4294574326 (0xFFFA00F6)
YUV	102.7940, 70.6006, 129.0997
Hunter-Lab	51.9402, 101.7594, -65.7398

Details

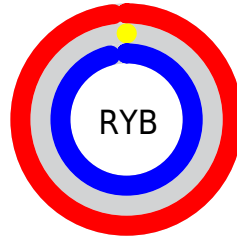
The XYZ color **56.0589, 26.9778, 89.4414** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **34.2088, 68.3813, 11.5121**, and the grayscale version is **12.6516, 13.3105, 14.4951**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **29.9243, 14.3655, 49.3397** is the 20% darker color. If you saturate the color by 10%, you get **56.0594, 26.9781, 89.4412**, and if you desaturate by 10%, it is **56.4696, 27.6998, 89.8819**.

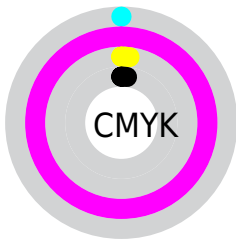
Distribution



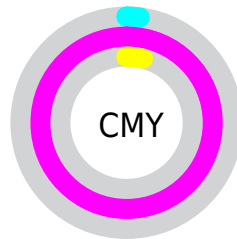
- Red (98%)
- Green (0%)
- Blue (96%)



- 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 56.0589, 26.9778, 89.4414 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 56.0589, 26.9778, 89.4414 by changing the saturation by 10% instead.


 56.0589, 26.9778,
89.4414

 56.0589, 26.9778,
89.4414


399.9849,
287.5496, 546.7352


 40.4873, 17.5566,
66.9463


 98.2300, 54.8482,
148.4910

 28.1046, 10.6321,
48.5797


 125.5602, 74.0662,
185.8825


 18.5454, 5.8200,
33.9229


 157.5408, 97.3186,
229.0767

 11.4443, 2.7360,
22.5575

 194.5369,
124.9897, 278.4920

 6.4360, 0.9955,
14.0649

 236.9140,
157.4639, 334.5469

 3.1551, 0.0000,
8.0266

285.0375,

 1.2363, 0.0000,

195.1258, 397.6601

4.0239

339.2727,
238.3595, 468.2500

■ 0.1348, 0.0000,
1.6385

■ 0.0000, 0.0000,
0.3181

■ 56.0589, 26.9778,
89.4414

■ 56.0589, 26.9778,
89.4414

■ 56.0594, 26.9781,
89.4412

■ 56.4696, 27.6998,
89.8819

■ 57.3251, 29.3123,
90.4711

■ 58.7635, 32.0902,
91.2552

■ 60.8677, 36.1996,
92.2620

■ 63.7076, 41.7800,
93.5146

■ 67.3439, 48.9533,
95.0334

■ 71.8314, 57.8286,
96.8366

■ 77.2199, 68.5055,
98.9407

■ 83.5551, 81.0760,
101.3611

Harmonies

Analogous

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



40.8667, 26.9778, 160.5635



56.0589, 26.9778, 89.4414



62.7870, 26.9778, 30.8846

Triad

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



56.0589, 26.9778, 89.4414



26.1637, 26.9778, 0.0000



8.6222, 26.9778, 84.1454

Complementary

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



56.0589, 26.9778, 89.4414



34.2088, 68.3813, 11.5121

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.



7.1119, 26.9778, 27.9139



56.0589, 26.9778, 89.4414



14.7632, 26.9778, 0.2258

Square

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



56.0589, 26.9778, 89.4414



42.1046, 26.9778, 0.3781



8.8754, 26.9778, 4.9029



14.1502, 26.9778, 155.9989

Rectangle

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



56.0589, 26.9778, 89.4414



60.2135, 26.9778, 10.8913



8.8754, 26.9778, 4.9029



7.7405, 26.9778, 61.8323

Sweetspot

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



56.0600, 26.9791, 89.4419



75.1135, 60.4415, 101.2850



17.2566, 6.9034, 90.8668



15.6298, 12.0511, 21.5009



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.



56.0600, 26.9791, 89.4419



58.6397, 28.2199, 93.5555



43.1285, 21.8065, 21.3455



17.9804, 17.5195, 21.7523



29.7408, 14.3120, 47.4709



2.7583, 1.3270, 4.4163

Inverse Universe

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



56.0600, 26.9791, 89.4419



58.6397, 28.2199, 93.5555



37.8897, 69.8537, 30.8956



17.9804, 17.5195, 21.7523



29.7408, 14.3120, 47.4709



2.7583, 1.3270, 4.4163

Previews

White Background



This preview shows how the XYZ color 56.0589, 26.9778, 89.4414 looks on a white background.

Color Contrast Check

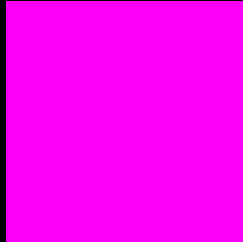
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.0589, 26.9778, 89.4414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

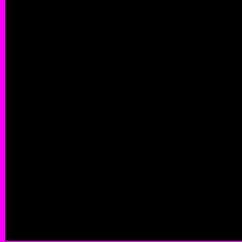
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 56.0589, 26.9778, 89.4414

Background



This preview shows how black text looks on a background with the XYZ color 56.0589, 26.9778, 89.4414.



This preview shows how white text looks on a background with the XYZ color 56.0589, 26.9778,

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

56.0589, 26.9778, 89.4414

Protanopia

31.0289, 27.6165, 98.3029

Deuteranopia

28.4627, 27.5881, 79.4262



Tritanopia

40.9838, 27.1908, 15.9202

Trichromacy



Original Color

56.0589, 26.9778, 89.4414



Protanomaly

32.7375, 20.0275, 94.2357



Deuteranomaly

31.0941, 19.8342, 81.5464



Tritanomaly

43.5742, 24.3371, 33.4113

Monochromacy



Original Color

56.0589, 26.9778, 89.4414



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 56.0589, 26.9778, 89.4414 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 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(250, 0, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 246) }
```

Border

The CSS property to change the border of an element to XYZ 56.0589, 26.9778, 89.4414 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, 246) }
```


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

```
.border{ border-color:rgb(250, 0, 246) }
```

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, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 246);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0589, 26.9778, 89.4414 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, 246) }
```

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

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