

Converting Colors

XYZ(56.8355, 27.4559, 85.9669)

Have a look what the booklet for
XYZ(56.8355, 27.4559, 85.9669)
contains.

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Color

**XYZ(56.9001, 27.4816,
86.3099)**

Conversions

Conversions Part 1

Format	Color
Hex	FE00F2
RGB	254, 0, 242
RGB Percent	100%, 0%, 95%
CMY	0.0039, 0.9998, 0.0510
CMYK	0.00, 1.00, 0.05, 0.00
HSL	303°, 100%, 50%
HSV	303°, 100%, 100%
XYZ	56.9001, 27.4816, 86.3099
YIQ	103.5340, 73.7020, 129.1100

Conversions

Conversions Part 2

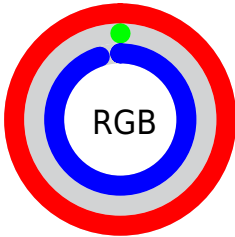
Format	Color
RYB	254, 0, 242
Decimal	16646386
CIELab	59.42, 96.33, -55.07
CIELCh	59, 110.954, 330.245
Yxy	27.4816, 0.3334, 0.1610
Android (android.graphics.Color)	4294836466 (0xFFFE00F2)
YUV	103.5340, 68.2637, 131.9587
Hunter-Lab	52.4229, 102.0048, -60.9200

Details

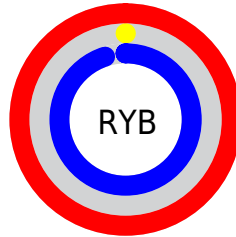
The XYZ color **56.9001, 27.4816, 86.3099** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **35.5095, 70.9116, 12.1650**, and the grayscale version is **12.8514, 13.5207, 14.7240**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **30.4952, 14.7093, 47.1308** is the 20% darker color. If you saturate the color by 10%, you get **56.9004, 27.4818, 86.3086**, and if you desaturate by 10%, it is **57.4388, 28.2687, 87.3821**.

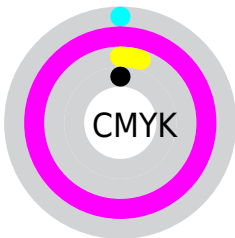
Distribution



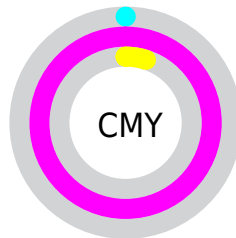
- Red (100%)
- Green (0%)
- Blue (95%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9001, 27.4816, 86.3099 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 56.9001, 27.4816, 86.3099 by changing the saturation by 10% instead.


 56.9001, 27.4816,
86.3099

 56.9001, 27.4816,
86.3099

403.0951,
289.9814, 536.2097


 41.1649, 17.9352,
64.3679


 99.4516, 55.6557,
144.0922


 28.6362, 10.9035,
46.5006

 126.9986, 75.0523,
180.7697

 18.9487, 6.0020,
32.2895


 159.2135, 98.5010,
223.1960

 11.7370, 2.8463,
21.3161

 196.4618,
126.3864, 271.7897

 6.6358, 1.0520,
13.1618

 239.1087,
159.0927, 326.9694

 3.2797, 0.0000,
7.4080

287.5197,

 1.3033, 0.0000,

197.0044, 389.1536

3.6363

342.0600,
240.5058, 458.7609

■ 0.1857, 0.0000,
1.4280

■ 0.0000, 0.0000,
0.1634

■ 56.9001, 27.4816,
86.3099

■ 56.9001, 27.4816,
86.3099

■ 56.9004, 27.4818,
86.3086

■ 57.4388, 28.2687,
87.3821

■ 58.4408, 29.9813,
88.6144

■ 60.0484, 32.9032,
90.0544

■ 62.3481, 37.2074,
91.7310

■ 65.4124, 43.0389,
93.6683

■ 69.3047, 50.5246,
95.8876

■ 74.0818, 59.7778,
98.4076

■ 79.7954, 70.9021,
101.2458

■ 86.4933, 83.9931,
104.4180

Harmonies

Analogous

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



42.0411, 27.4816, 156.8589



56.9001, 27.4816, 86.3099



63.0336, 27.4816, 29.5967

Triad

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



56.9001, 27.4816, 86.3099



26.0063, 27.4816, 0.0000



9.1582, 27.4816, 87.4638

Complementary

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



56.9001, 27.4816, 86.3099



35.5095, 70.9116, 12.1650

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.



7.4648, 27.4816, 30.2513



56.9001, 27.4816, 86.3099



14.8319, 27.4816, 0.4609

Square

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



56.9001, 27.4816, 86.3099



41.7699, 27.4816, 0.4278



9.1015, 27.4816, 5.7337



14.9681, 27.4816, 157.8488

Rectangle

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



56.9001, 27.4816, 86.3099



60.1078, 27.4816, 10.4731



9.1015, 27.4816, 5.7337



8.2047, 27.4816, 65.0250

Sweetspot

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



56.9012, 27.4829, 86.3104



74.7334, 60.2895, 99.2833



17.9966, 7.2117, 94.2108



15.5371, 12.0141, 21.0131



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.



56.9012, 27.4829, 86.3104



57.4100, 27.7280, 87.0803



44.1774, 22.3934, 19.3077



18.7534, 18.2847, 22.5845



30.0142, 14.4950, 45.5869



2.9334, 1.4157, 4.4965

Inverse Universe

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



56.9012, 27.4829, 86.3104



57.4100, 27.7280, 87.0803



39.8505, 72.6480, 35.0244



18.7534, 18.2847, 22.5845



30.0142, 14.4950, 45.5869



2.9334, 1.4157, 4.4965

Previews

White Background



This preview shows how the XYZ color 56.9001, 27.4816, 86.3099 looks on a white background.

Color Contrast Check

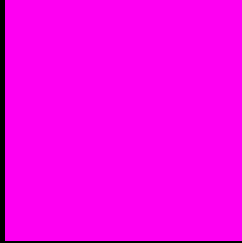
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.9001, 27.4816, 86.3099 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 56.9001, 27.4816, 86.3099

Background



This preview shows how black text looks on a background with the XYZ color 56.9001, 27.4816, 86.3099.



This preview shows how white text looks on a background with the XYZ color 56.9001, 27.4816,

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

56.9001, 27.4816, 86.3099

Protanopia

31.5994, 28.3445, 98.4133

Deuteranopia

28.8754, 28.0892, 76.5729



Tritanopia

42.3764, 27.6493, 15.4153

Trichromacy



Original Color

56.9001, 27.4816, 86.3099



Protanomaly

33.1242, 20.5104, 92.6555



Deuteranomaly

31.9102, 20.4490, 78.6091



Tritanomaly

44.9395, 24.9112, 32.1455

Monochromacy



Original Color

56.9001, 27.4816, 86.3099



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

22.0790, 13.6005, 32.0333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9001, 27.4816, 86.3099 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(254, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 242)  
}
```

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(254, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 56.9001, 27.4816, 86.3099 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(254, 0, 242) }
```


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

```
.border{ border-color:rgb(254, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(254, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(254, 0,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9001, 27.4816, 86.3099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 0, 242) }
```

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

```
.background{ background-color: rgb(254, 0,  
242) }
```

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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