

Converting Colors

XYZ(56.0508, 27.3422, 96.9311)

Have a look what the booklet for
XYZ(56.0508, 27.3422, 96.9311)
contains.

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Color

**XYZ(56.0756, 27.3713,
96.9354)**

Conversions

Conversions Part 1

Format	Color
Hex	F51AFF
RGB	245, 26, 255
RGB Percent	96%, 10%, 100%
CMY	0.0392, 0.8980, 0.0000
CMYK	0.04, 0.90, 0.00, 0.00
HSL	297°, 100%, 55%
HSV	297°, 90%, 100%
XYZ	56.0756, 27.3713, 96.9354
YIQ	117.5870, 57.0150, 117.6470

Conversions

Conversions Part 2

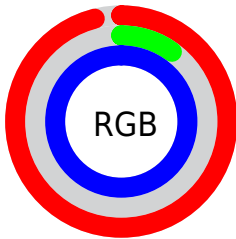
Format	Color
R _Y B	245, 26, 255
Decimal	16063231
CIE Lab	59.32, 94.72, -62.54
CIE LCh	59, 113.502, 326.562
Yxy	27.3713, 0.3109, 0.1517
Android (android.graphics.Color)	4294253311 (0xFFFF51AFF)
YUV	117.5870, 67.7446, 111.7412
Hunter-Lab	52.3176, 99.7660, -73.2318

Details

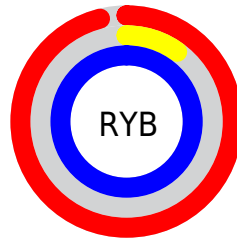
The XYZ color **56.0756, 27.3713, 96.9354** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **36.6749, 71.9701, 12.9371**, and the grayscale version is **16.8782, 17.7571, 19.3375**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **29.8452, 14.2216, 53.9953** is the 20% darker color. If you saturate the color by 10%, you get **55.3252, 26.4444, 96.7961**, and if you desaturate by 10%, it is **57.3032, 29.2471, 97.2328**.

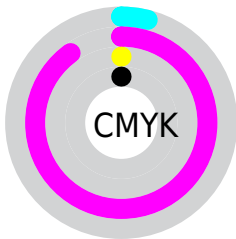
Distribution



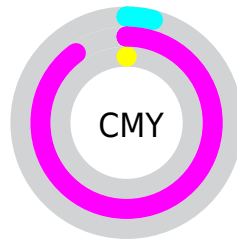
- Red (96%)
- Green (10%)
- Blue (100%)



- Red (96%)
- Yellow (10%)
- Blue (100%)



- Cyan (4%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (90%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0756, 27.3713, 96.9354 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 56.0756, 27.3713, 96.9354 by changing the saturation by 10% instead.


 56.0756, 27.3713,
96.9354


 56.0756, 27.3713,
96.9354

400.0467,
289.4504, 571.4844

 40.5008, 17.8523,
73.1411


 98.2543, 55.4791,
158.9542


 28.1152, 10.8440,
53.5988


 125.5888, 74.8367,
198.0159


 18.5534, 5.9620,
37.8900


 157.5740, 98.2426,
243.0037

 11.4501, 2.8220,
25.5962

 194.5752,
126.0812, 294.3362

 6.4399, 1.0395,
16.2987

 236.9577,
158.7368, 352.4320

 3.1576, 0.0000,
9.5791

285.0869,

 1.2376, 0.0000,

196.5940, 417.7096

5.0189

339.3281,
240.0371, 490.5876

■ 0.1358, 0.0000,
2.1994

■ 0.0000, 0.0000,
0.6740

■ 56.0756, 27.3713,
96.9354

■ 56.0756, 27.3713,
96.9354

■ 55.3252, 26.4444,
96.7961

■ 57.3032, 29.2471,
97.2328

■ 55.3116, 26.4291,
96.7938

■ 59.1438, 32.3464,
97.7340

■ 61.6855, 36.8444,
98.4682

■ 65.0014, 42.8873,
99.4599

69.1552, 50.6025,
100.7301

74.2042, 60.1046,
102.2981

80.2005, 71.4980,
104.1812

87.1924, 84.8788,
106.3955

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



40.2244, 27.3713, 168.5915



56.0756, 27.3713, 96.9354



63.8652, 27.3713, 34.7392

Triad

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



56.0756, 27.3713, 96.9354



27.6866, 27.3713, 0.0000



8.4456, 27.3713, 80.1853

Complementary

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



56.0756, 27.3713, 96.9354



36.6749, 71.9701, 12.9371

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.



7.1777, 27.3713, 25.3575



56.0756, 27.3713, 96.9354



15.6220, 27.3713, 0.0523

Square

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



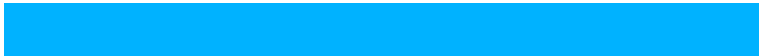
56.0756, 27.3713, 96.9354



44.1346, 27.3713, 0.5282



9.2424, 27.3713, 4.1510



13.6902, 27.3713, 154.1458

Rectangle

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



56.0756, 27.3713, 96.9354



61.9147, 27.3713, 12.6157



9.2424, 27.3713, 4.1510



7.6466, 27.3713, 58.0899

Sweetspot

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



56.0767, 27.3725, 96.9356



75.7831, 63.0953, 102.7922



19.1528, 8.7924, 95.2954



15.8101, 12.7275, 21.8733



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.



56.0767, 27.3725, 96.9356



55.3116, 26.4291, 96.7938



47.2740, 24.2654, 31.8803



18.7097, 18.2576, 22.7879



28.9360, 13.8275, 50.5785



2.8407, 1.3584, 4.9257

Inverse Universe

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



41.9286, 22.1272, 3.7317



41.3012, 21.2845, 2.2522



40.1531, 73.3265, 32.8274



18.0415, 17.9999, 18.8358



21.5945, 11.1271, 1.2494



2.1134, 1.0877, 0.1785

Previews

White Background



This preview shows how the XYZ color 56.0756, 27.3713, 96.9354 looks on a white background.

Color Contrast Check

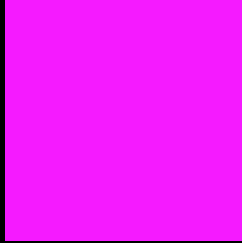
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.0756, 27.3713, 96.9354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

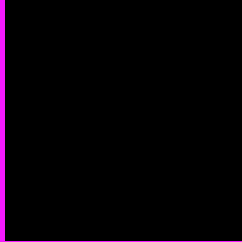
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 56.0756, 27.3713, 96.9354

Background



This preview shows how black text looks on a background with the XYZ color 56.0756, 27.3713, 96.9354.



This preview shows how white text looks on a background with the XYZ color 56.0756, 27.3713,

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

56.0756, 27.3713, 96.9354

Protanopia

31.2658, 27.9546, 98.3556

Deuteranopia

28.6819, 27.7743, 86.2873



Tritanopia

39.5066, 27.1008, 17.6168

Trichromacy



Original Color

56.0756, 27.3713, 96.9354



Protanomaly

34.0134, 22.0730, 97.0755



Deuteranomaly

31.4516, 21.2183, 88.8241



Tritanomaly

42.9021, 24.9986, 36.7464

Monochromacy



Original Color

56.0756, 27.3713, 96.9354



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

25.6262, 17.2167, 39.0183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0756, 27.3713, 96.9354 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, 26, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 26, 255)  
}
```

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, 26, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 26, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.0756, 27.3713, 96.9354 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, 26, 255) }
```


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

```
.border{ border-color:rgb(245, 26, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 26, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 26, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 26, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 26,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0756, 27.3713, 96.9354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 26, 255) }
```

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

```
.background{ background-color: rgb(245, 26,  
255) }
```

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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