

Converting Colors

XYZ(56.8831, 27.6944, 83.7607)

Have a look what the booklet for
XYZ(56.8831, 27.6944, 83.7607)
contains.

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Color

**XYZ(56.9285, 27.7091,
84.0093)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0AEF
RGB	255, 10, 239
RGB Percent	100%, 4%, 94%
CMY	0.0000, 0.9606, 0.0627
CMYK	0.00, 0.96, 0.06, 0.00
HSL	304°, 100%, 52%
HSV	304°, 96%, 100%
XYZ	56.9285, 27.7091, 84.0093
YIQ	109.3610, 72.5110, 123.1590

Conversions

Conversions Part 2

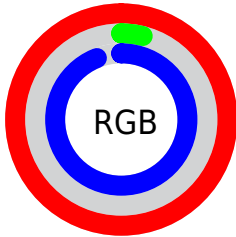
Format	Color
R _Y B	255, 10, 239
Decimal	16714479
CIE Lab	59.63, 95.50, -53.05
CIE LCh	60, 109.245, 330.949
Yxy	27.7091, 0.3376, 0.1643
Android (android.graphics.Color)	4294904559 (0xFFFF0AEF)
YUV	109.3610, 63.9120, 127.7254
Hunter-Lab	52.6394, 100.9252, -57.7756

Details

The XYZ color **56.9285, 27.7091, 84.0093** 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 **36.0728, 71.6597, 12.9107**, and the grayscale version is **14.4565, 15.2094, 16.5630**.

A 20% lighter version of the original color is **64.4440, 38.7881, 98.6980**, and **30.4358, 14.7149, 45.4921** is the 20% darker color. If you saturate the color by 10%, you get **56.7232, 27.4533, 83.4634**, and if you desaturate by 10%, it is **57.6847, 28.8257, 85.4814**.

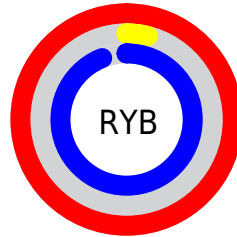
Distribution



Red (100%)

Green (4%)

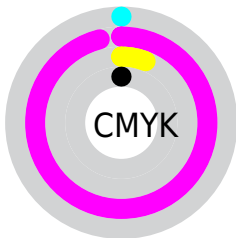
Blue (94%)



Red (100%)

Yellow (4%)

Blue (94%)

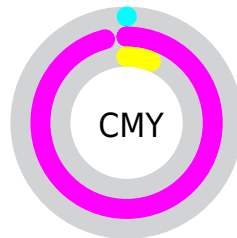


Cyan (0%)

Magenta (96%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (96%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9285, 27.7091, 84.0093 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 56.9285, 27.7091, 84.0093 by changing the saturation by 10% instead.

 56.9285, 27.7091,
84.0093


 56.9285, 27.7091,
84.0093

403.1999,
291.0743, 528.4030


 41.1878, 18.1065,
62.4777

 99.4928, 56.0197,
140.8500


 28.6541, 11.0265,
44.9805


 127.0471, 75.4964,
176.9962

 18.9623, 6.0846,
31.0992


 159.2699, 99.0333,
218.8510

 11.7469, 2.8966,
20.4153

 196.5267,
127.0148, 266.8330

 6.6425, 1.0780,
12.5102

 239.1827,
159.8253, 321.3606

 3.2839, 0.0000,
6.9654

287.6033,

 1.3056, 0.0000,

197.8490, 382.8524

3.3624

342.1539,
241.4706, 451.7271

■ 0.1874, 0.0000,
1.2825

■ 0.0000, 0.0000,
0.0474

■ 56.9285, 27.7091,
84.0093

■ 56.9285, 27.7091,
84.0093

■ 56.7232, 27.4533,
83.4634

■ 57.6847, 28.8257,
85.4814

■ 58.9884, 31.0337,
87.1469

■ 60.9407, 34.5355,
89.0399

■ 63.6227, 39.4929,
91.1873

67.1035, 46.0442,
93.6124

71.4443, 54.3119,
96.3354

76.7003, 64.4061,
99.3749

82.9219, 76.4282,
102.7476

90.1562, 90.4716,
106.4694

Harmonies

Analogous

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



42.4361, 27.7091, 153.1360



56.9285, 27.7091, 84.0093



62.6751, 27.7091, 28.9322

Triad

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



56.9285, 27.7091, 84.0093



25.9007, 27.7091, 0.0000



9.5291, 27.7091, 88.3879

Complementary

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



56.9285, 27.7091, 84.0093



36.0728, 71.6597, 12.9107

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.



7.7418, 27.7091, 31.4437



56.9285, 27.7091, 84.0093



14.9313, 27.7091, 0.6369

Square

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



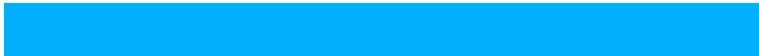
56.9285, 27.7091, 84.0093



41.4009, 27.7091, 0.5105



9.3082, 27.7091, 6.2961



15.4576, 27.7091, 156.8745

Rectangle

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



56.9285, 27.7091, 84.0093



59.6131, 27.7091, 10.3681



9.3082, 27.7091, 6.2961



8.5400, 27.7091, 66.2170

Sweetspot

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



56.9292, 27.7102, 84.0098



75.0560, 61.2409, 98.4469



18.4966, 7.6122, 95.1022



15.5860, 12.1880, 20.7944



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.



56.9292, 27.7102, 84.0098



56.7232, 27.4533, 83.4634



44.7562, 22.8410, 19.9078



18.7384, 18.2787, 22.5057



29.6610, 14.3537, 43.7268



2.9028, 1.4035, 4.3357

Inverse Universe

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



56.9292, 27.7102, 84.0098



56.7232, 27.4533, 83.4634



40.9792, 73.6222, 38.7471



18.7384, 18.2787, 22.5057



29.6610, 14.3537, 43.7268



2.9028, 1.4035, 4.3357

Previews

White Background



This preview shows how the XYZ color 56.9285, 27.7091, 84.0093 looks on a white background.

Color Contrast Check

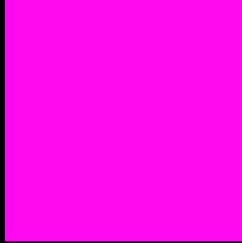
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.9285, 27.7091, 84.0093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

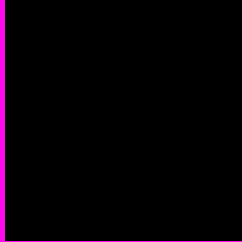
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 56.9285, 27.7091, 84.0093

Background



This preview shows how black text looks on a background with the XYZ color 56.9285, 27.7091, 84.0093.



This preview shows how white text looks on a background with the XYZ color 56.9285, 27.7091,

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

56.9285, 27.7091, 84.0093

Protanopia

31.6947, 28.3936, 98.4178

Deuteranopia

29.0434, 28.2075, 75.1480



Tritanopia

42.5786, 27.6263, 15.1449

Trichromacy



Original Color

56.9285, 27.7091, 84.0093



Protanomaly

33.4077, 21.0578, 91.9263



Deuteranomaly

32.4757, 21.1667, 77.2368



Tritanomaly

45.3695, 25.3822, 31.7862

Monochromacy



Original Color

56.9285, 27.7091, 84.0093



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

23.2836, 14.8468, 33.0910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9285, 27.7091, 84.0093 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(255, 10, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 239)  
}
```

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(255, 10, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 239) }
```

Border

The CSS property to change the border of an element to XYZ 56.9285, 27.7091, 84.0093 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(255, 10, 239) }
```


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

```
.border{ border-color:rgb(255, 10, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9285, 27.7091, 84.0093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 239) }
```

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

```
.background{ background-color: rgb(255, 10,  
239) }
```

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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