

Converting Colors

XYZ(56.9067, 29.5279, 84.4951)

Have a look what the booklet for
XYZ(56.9067, 29.5279, 84.4951)
contains.

XYZ(56.7298, 29.4736, 84.3603)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.7298, 29.4736,
84.3603)**

Conversions

Conversions Part 1

Format	Color
Hex	FB37EF
RGB	251, 55, 239
RGB Percent	98%, 22%, 94%
CMY	0.0157, 0.7843, 0.0627
CMYK	0.00, 0.78, 0.05, 0.02
HSL	304°, 96%, 60%
HSV	304°, 78%, 98%
XYZ	56.7298, 29.4736, 84.3603
YIQ	134.5800, 57.7520, 98.7760

Conversions

Conversions Part 2

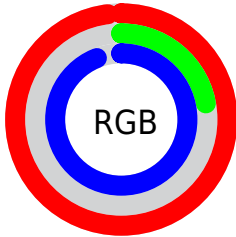
Format	Color
R _Y B	251, 55, 239
Decimal	16463855
CIE _{Lab}	61.20, 88.23, -50.59
CIE _{LCh}	61, 101.708, 330.170
Yxy	29.4736, 0.3326, 0.1728
Android (android.graphics.Color)	4294653935 (0xFFFB37EF)
YUV	134.5800, 51.4791, 102.1003
Hunter-Lab	54.2896, 91.5164, -54.1277

Details

The XYZ color **56.7298, 29.4736, 84.3603** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.0873, 70.2131, 16.9100**, and the grayscale version is **22.6771, 23.8581, 25.9815**.

A 20% lighter version of the original color is **66.4977, 42.8953, 99.3826**, and **29.6787, 14.3245, 45.4566** is the 20% darker color. If you saturate the color by 10%, you get **55.6000, 27.5751, 82.8683**, and if you desaturate by 10%, it is **58.4691, 32.5865, 86.0654**.

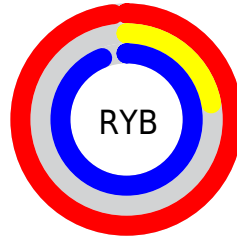
Distribution



Red (98%)

Green (22%)

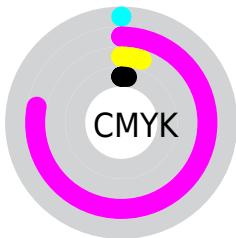
Blue (94%)



Red (98%)

Yellow (22%)

Blue (94%)

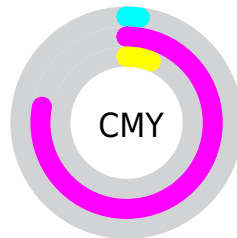


Cyan (0%)

Magenta (78%)

Yellow (5%)

Black (2%)



Cyan (2%)


Magenta (78%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7298, 29.4736, 84.3603 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 56.7298, 29.4736, 84.3603 by changing the saturation by 10% instead.


 56.7298, 29.4736,
84.3603


 56.7298, 29.4736,
84.3603

402.4666,
299.4430, 529.5982


 41.0276, 19.4394,
62.7658


 99.2045, 58.8287,
141.3453

 28.5284, 11.9882,
45.2120


 126.7077, 78.9184,
177.5729


 18.8669, 6.7356,
31.2803

 158.8753,
103.1287, 219.5153

 11.6776, 3.2973,
20.5521

 196.0726,
131.8440, 267.5910

 6.5951, 1.2889,
12.6090

 238.6651,
165.4486, 322.2187

 3.2543, 0.1326,
7.0323

287.0180,

 1.2896, 0.0000,

204.3271, 383.8167

3.4036

341.4967,
248.8638, 452.8037

■ 0.1754, 0.0000,
1.3042

■ 0.0000, 0.0000,
0.0652

■ 56.7298, 29.4736,
84.3603

■ 56.7298, 29.4736,
84.3603

■ 55.6000, 27.5751,
82.8683

■ 58.4691, 32.5865,
86.0654

■ 54.9660, 26.6658,
81.5509

■ 60.8955, 37.0712,
88.0088

■ 54.8710, 26.5442,
81.3083

■ 64.0785, 43.0660,
90.2140

■ 68.0783, 50.6913,
92.7011

72.9490, 60.0553,
95.4881

78.7401, 71.2569,
98.5916

85.4973, 84.3877,
102.0267

93.0034, 99.0132,
105.7212

93.2471, 99.1107,
107.0046

Harmonies

Analogous

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



43.0085, 29.4736, 146.9676



56.7298, 29.4736, 84.3603



62.3538, 29.4736, 31.8741

Triad

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



56.7298, 29.4736, 84.3603



27.9377, 29.4736, 0.2660



11.1571, 29.4736, 85.0820

Complementary

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



56.7298, 29.4736, 84.3603



37.0873, 70.2131, 16.9100

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.



9.3775, 29.4736, 32.3104



56.7298, 29.4736, 84.3603



16.9854, 29.4736, 1.2542

Square

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



56.7298, 29.4736, 84.3603



42.8332, 29.4736, 1.2292



11.1159, 29.4736, 7.6441



17.0800, 29.4736, 147.5700

Rectangle

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



56.7298, 29.4736, 84.3603



59.7068, 29.4736, 12.8215



11.1159, 29.4736, 7.6441



10.1576, 29.4736, 64.7296

Sweetspot

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



56.7309, 29.4750, 84.3609



78.5361, 67.8888, 100.5695



20.9471, 10.8160, 92.2515



16.3587, 13.6589, 21.2816



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.



56.7309, 29.4750, 84.3609



57.1913, 27.9207, 85.0645



46.1245, 25.2324, 28.5083



17.9445, 17.5051, 21.5632



28.8622, 13.9606, 42.8445



2.6867, 1.2984, 4.0394

Inverse Universe

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



56.7309, 29.4750, 84.3609



57.1913, 27.9207, 85.0645



42.6673, 72.4451, 46.2938



17.9445, 17.5051, 21.5632



28.8622, 13.9606, 42.8445



2.6867, 1.2984, 4.0394

Previews

White Background



This preview shows how the XYZ color 56.7298, 29.4736, 84.3603 looks on a white background.

Color Contrast Check

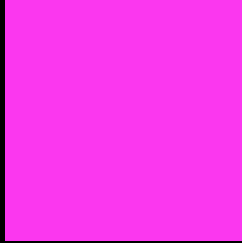
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.7298, 29.4736, 84.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

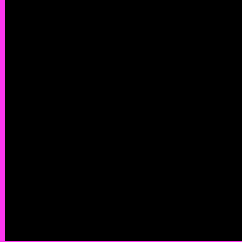
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 56.7298, 29.4736, 84.3603

Background



This preview shows how black text looks on a background with the XYZ color 56.7298, 29.4736, 84.3603.



This preview shows how white text looks on a background with the XYZ color 56.7298, 29.4736,

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

56.7298, 29.4736, 84.3603

Protanopia

33.1052, 30.0122, 98.6558

Deuteranopia

30.4679, 29.6096, 76.0609



Tritanopia

43.0795, 29.2255, 18.4095

Trichromacy



Original Color

56.7298, 29.4736, 84.3603



Protanomaly

36.0299, 25.2002, 92.5877



Deuteranomaly

35.1391, 25.3812, 78.6483



Tritanomaly

46.4615, 28.1789, 35.3380

Monochromacy



Original Color

56.7298, 29.4736, 84.3603



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

30.8283, 22.6723, 42.2865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7298, 29.4736, 84.3603 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(251, 55, 239)` looks like.

```
.text, #text, p{  
    color:rgb(251, 55, 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(251, 55, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 55, 239) }
```

Border

The CSS property to change the border of an element to XYZ 56.7298, 29.4736, 84.3603 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(251, 55, 239) }
```


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

```
.border{ border-color:rgb(251, 55, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 55, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 55, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 55, 239);  
box-shadow:4px 4px 4px 4px rgb(251, 55,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7298, 29.4736, 84.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 55, 239) }
```

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

```
.background{ background-color: rgb(251, 55,  
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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