

Converting Colors

XYZ(56.1031, 35.8924, 68.7045)

Have a look what the booklet for
XYZ(56.1031, 35.8924, 68.7045)
contains.

XYZ(56.0851, 35.9196, 68.9429)	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(56.0851, 35.9196,
68.9429)**

Conversions

Conversions Part 1

Format	Color
Hex	F66FD8
RGB	246, 111, 216
RGB Percent	96%, 44%, 85%
CMY	0.0353, 0.5647, 0.1529
CMYK	0.00, 0.55, 0.12, 0.04
HSL	313°, 88%, 70%
HSV	313°, 55%, 96%
XYZ	56.0851, 35.9196, 68.9429
YIQ	163.3350, 46.7550, 61.2750

Conversions

Conversions Part 2

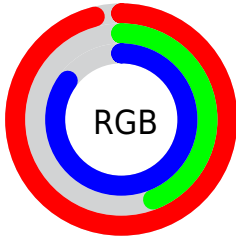
Format	Color
R _Y B	246, 111, 216
Decimal	16150488
CIE Lab	66.46, 63.95, -29.57
CIE LCh	66, 70.460, 335.185
Yxy	35.9196, 0.3485, 0.2232
Android (android.graphics.Color)	4294340568 (0xFFFF66FD8)
YUV	163.3350, 25.9638, 72.4972
Hunter-Lab	59.9330, 62.1571, -26.2502

Details

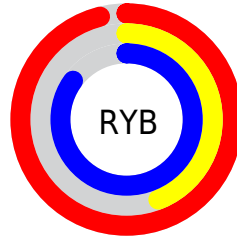
The XYZ color **56.0851, 35.9196, 68.9429** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **44.3207, 71.2153, 36.6121**, and the grayscale version is **34.8380, 36.6523, 39.9144**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **28.1545, 15.5940, 35.2442** is the 20% darker color. If you saturate the color by 10%, you get **53.0662, 30.9935, 64.5074**, and if you desaturate by 10%, it is **59.8688, 42.3363, 73.7500**.

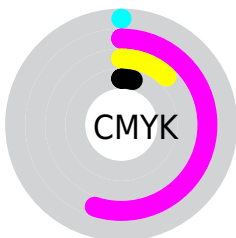
Distribution



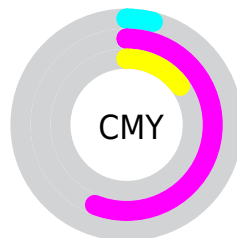
- Red (96%)
- Green (44%)
- Blue (85%)



- Red (96%)
- Yellow (44%)
- Blue (85%)



- Cyan (0%)
- Magenta (55%)
- Yellow (12%)
- Black (4%)





- Cyan (4%)
- Magenta (56%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0851, 35.9196, 68.9429 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 56.0851, 35.9196, 68.9429 by changing the saturation by 10% instead.


 56.0851, 35.9196,
68.9429


 56.0851, 35.9196,
68.9429

400.0820,
328.6090, 475.5180


 40.5084, 24.3721,
50.1937

 98.2681, 68.9080,
119.3670

 28.1212, 15.6099,
35.1951


 125.6051, 91.1176,
151.8789

 18.5579, 9.2485,
23.5284


 157.5929,
117.6501, 189.8156

 11.4534, 4.9036,
14.7752

194.5970,
148.8898, 233.5955

 6.4422, 2.1908,
8.5169

236.9825,
185.2212, 283.6371

 3.1590, 0.7150,
4.3350

285.1150,

 1.2384, 0.0000,

227.0286, 340.3591

1.8109

339.3597,
274.6964, 404.1799

■ 0.1364, 0.0000,
0.4351

■ 0.0000, 0.0000,
0.0000

■ 56.0851, 35.9196,
68.9429

■ 56.0851, 35.9196,
68.9429

■ 53.0662, 30.9935,
64.5074

■ 59.8688, 42.3363,
73.7500

■ 50.7460, 27.4283,
60.4194


■ 64.4692, 50.3490,
78.9461


■ 49.0529, 25.0805,
56.6543


■ 69.9376, 60.0594,
84.5498


■ 47.8978, 23.7719,
53.1811


■ 76.3202, 71.5594,
90.5775

 47.4468, 23.3692,
51.4915

 83.6596, 84.9342,
97.0445

 90.8344, 97.9402,
103.5779

 91.6989, 98.2860,
108.1303

 91.8163, 98.3330,
108.7487

Harmonies

Analogous

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



47.2276, 35.9196, 108.4851



56.0851, 35.9196, 68.9429



58.6166, 35.9196, 34.0868

Triad

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



56.0851, 35.9196, 68.9429



32.3381, 35.9196, 5.0797



20.0895, 35.9196, 83.0974

Complementary

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



56.0851, 35.9196, 68.9429



44.3207, 71.2153, 36.6121

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.



17.6489, 35.9196, 44.6047



56.0851, 35.9196, 68.9429



23.7263, 35.9196, 8.2362

Square

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



56.0851, 35.9196, 68.9429



43.3905, 35.9196, 6.5125



18.8282, 35.9196, 19.4299



26.3084, 35.9196, 119.1945

Rectangle

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



56.0851, 35.9196, 68.9429



56.0078, 35.9196, 19.2169



18.8282, 35.9196, 19.4299



18.8656, 35.9196, 69.4416

Sweetspot

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



56.0863, 35.9213, 68.9436



81.9615, 76.1041, 97.5045



33.1783, 23.6220, 90.0002



17.2248, 15.7138, 20.5754



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.



56.0863, 35.9213, 68.9436



57.2263, 33.0688, 69.4210



49.1368, 33.1415, 32.3479



17.0468, 16.7016, 19.9929



25.3801, 12.4955, 27.7739



2.2686, 1.1134, 2.6406

Inverse Universe

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



56.0863, 35.9213, 68.9436



57.2263, 33.0688, 69.4210



50.8672, 73.8339, 71.0854



17.0468, 16.7016, 19.9929



25.3801, 12.4955, 27.7739



2.2686, 1.1134, 2.6406

Previews

White Background



This preview shows how the XYZ color 56.0851, 35.9196, 68.9429 looks on a white background.

Color Contrast Check

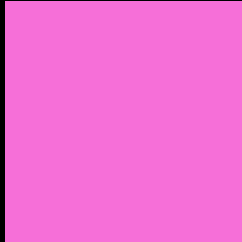
Large Text (above 18pt) WCAG AA × Fail

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 56.0851, 35.9196, 68.9429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

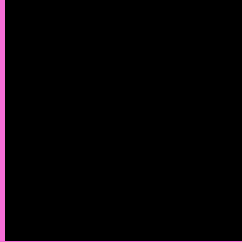
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.0851, 35.9196, 68.9429

Background



This preview shows how black text looks on a background with the XYZ color 56.0851, 35.9196, 68.9429.



This preview shows how white text looks on a background with the XYZ color 56.0851, 35.9196,

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

56.0851, 35.9196, 68.9429

Protanopia

39.0399, 36.4641, 98.7466

Deuteranopia

36.9202, 36.1226, 64.7010



Tritanopia

47.7704, 35.7417, 28.8072

Trichromacy



Original Color

56.0851, 35.9196, 68.9429



Protanomaly

41.9787, 34.1833, 86.8236



Deuteranomaly

41.9244, 34.6139, 66.0995



Tritanomaly

50.2102, 35.4099, 40.7476

Monochromacy



Original Color

56.0851, 35.9196, 68.9429



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

40.4091, 34.6614, 48.8165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0851, 35.9196, 68.9429 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(246, 111, 216)` looks like.

```
.text, #text, p{  
    color:rgb(246, 111, 216)  
}
```

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(246, 111, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 111, 216) }
```

Border

The CSS property to change the border of an element to XYZ 56.0851, 35.9196, 68.9429 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(246, 111, 216) }
```


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

```
.border{ border-color:rgb(246, 111, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 111, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 111, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 111, 216);  
box-shadow:4px 4px 4px 4px rgb(246, 111,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0851, 35.9196, 68.9429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 111, 216) }
```

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

```
.background{ background-color: rgb(246,  
111, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor