

Converting Colors

XYZ(56.0148, 30.5602, 69.2813)

Have a look what the booklet for
XYZ(56.0148, 30.5602, 69.2813)
contains.

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Color

**XYZ(56.0230, 30.5782,
69.2791)**

Conversions

Conversions Part 1

Format	Color
Hex	FF45DA
RGB	255, 69, 218
RGB Percent	100%, 27%, 85%
CMY	0.0000, 0.7294, 0.1451
CMYK	0.00, 0.73, 0.15, 0.00
HSL	312°, 100%, 64%
HSV	312°, 73%, 100%
XYZ	56.0230, 30.5782, 69.2791
YIQ	141.6000, 63.0270, 85.7710

Conversions

Conversions Part 2

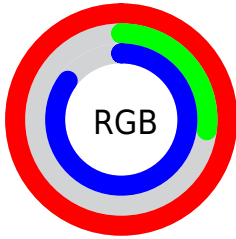
Format	Color
R _Y B	255, 69, 218
Decimal	16729562
CIE _{Lab}	62.15, 82.37, -37.28
CIE _{LCh}	62, 90.413, 335.650
Y _{xy}	30.5782, 0.3594, 0.1962
Android (android.graphics.Color)	4294919642 (0xFFFF45DA)
Y _{UV}	141.6000, 37.6652, 99.4518
Hunter-Lab	55.2976, 84.0710, -35.5727

Details

The XYZ color **56.0230, 30.5782, 69.2791** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **40.8171, 73.8264, 25.7371**, and the grayscale version is **25.3942, 26.7166, 29.0944**.

A 20% lighter version of the original color is **67.6775, 45.2551, 99.7758**, and **28.8590, 14.1137, 35.8535** is the 20% darker color. If you saturate the color by 10%, you get **54.1236, 27.8256, 65.4209**, and if you desaturate by 10%, it is **58.6174, 34.6882, 73.4699**.

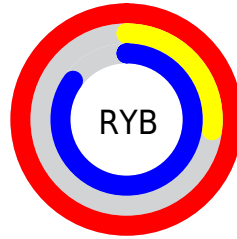
Distribution



Red (100%)

Green (27%)

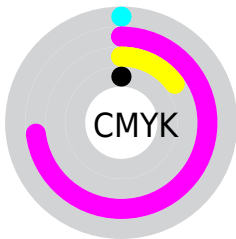
Blue (85%)



Red (100%)

Yellow (27%)

Blue (85%)

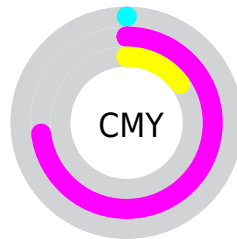


Cyan (0%)

Magenta (73%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (73%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0230, 30.5782, 69.2791 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 56.0230, 30.5782, 69.2791 by changing the saturation by 10% instead.


 56.0230, 30.5782,
69.2791


 56.0230, 30.5782,
69.2791


399.8518,
304.5904, 476.7353


 40.4584, 20.2779,
50.4659

 98.1778, 60.5754,
119.8516

 28.0820, 12.5972,
35.4099


 125.4988, 81.0410,
152.4479

 18.5282, 7.1518,
23.6927


 157.4693,
105.6639, 190.4757

 11.4319, 3.5572,
14.8958

 194.4546,
134.8283, 234.3535

 6.4275, 1.4291,
8.6005

236.8202,
168.9188, 284.4998

 3.1499, 0.2380,
4.3883

284.9313,

 1.2335, 0.0000,

208.3197, 341.3332

1.8407

339.1534,
253.4155, 405.2722

■ 0.1326, 0.0000,
0.4546

■ 0.0000, 0.0000,
0.0000

■ 56.0230, 30.5782,
69.2791

■ 56.0230, 30.5782,
69.2791

■ 54.1236, 27.8256,
65.4209

■ 58.6174, 34.6882,
73.4699

■ 52.8238, 26.2399,
61.8616

■ 61.9817, 40.3051,
78.0180

■ 52.1717, 25.6327,
59.4957

■ 66.1829, 47.5630,
82.9472

■ 71.2805, 56.5801,
88.2780

77.3281, 67.4638,
94.0291

84.3754, 80.3128,
100.2180

92.4682, 95.2188,
106.8606

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.



44.9485, 30.5782, 122.8506



56.0230, 30.5782, 69.2791



59.1269, 30.5782, 27.1221

Triad

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



56.0230, 30.5782, 69.2791



26.8199, 30.5782, 1.2211



13.8930, 30.5782, 89.6269

Complementary

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



56.0230, 30.5782, 69.2791



40.8171, 73.8264, 25.7371

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.



11.4414, 30.5782, 40.3387



56.0230, 30.5782, 69.2791



17.4463, 30.5782, 3.1308

Square

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



56.0230, 30.5782, 69.2791



39.8199, 30.5782, 1.9549



12.5315, 30.5782, 12.6006



20.4430, 30.5782, 139.2904

Rectangle

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



56.0230, 30.5782, 69.2791



55.6761, 30.5782, 11.8930



12.5315, 30.5782, 12.6006



12.6600, 30.5782, 71.5503

Sweetspot

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



56.0237, 30.5796, 69.2797



77.9452, 68.5828, 94.5901



25.7848, 14.3676, 96.0220



16.3063, 13.9965, 19.9009



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.



56.0237, 30.5796, 69.2797



53.3973, 26.8903, 63.5837



47.2590, 27.0737, 23.1250



18.6287, 18.2348, 21.9277



27.3154, 13.4155, 31.3751



2.6972, 1.3212, 3.2527

Inverse Universe

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



56.0237, 30.5796, 69.2797



53.3973, 26.8903, 63.5837



48.1906, 76.7758, 64.5656



18.6287, 18.2348, 21.9277



27.3154, 13.4155, 31.3751



2.6972, 1.3212, 3.2527

Previews

White Background



This preview shows how the XYZ color 56.0230, 30.5782, 69.2791 looks on a white background.

Color Contrast Check

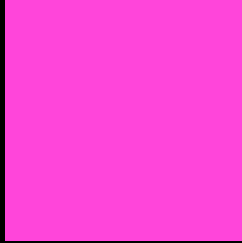
Large Text (above 18pt) WCAG AA × Fail

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 56.0230, 30.5782, 69.2791 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 56.0230, 30.5782, 69.2791

Background



This preview shows how black text looks on a background with the XYZ color 56.0230, 30.5782, 69.2791.



This preview shows how white text looks on a background with the XYZ color 56.0230, 30.5782,

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

56.0230, 30.5782, 69.2791

Protanopia

34.0772, 30.9710, 98.7897

Deuteranopia

31.5253, 30.6713, 63.2901



Tritanopia

45.4757, 30.4608, 18.5216

Trichromacy



Original Color

56.0230, 30.5782, 69.2791



Protanomaly

36.7244, 26.8736, 87.2559



Deuteranomaly

36.4862, 27.2439, 64.9636



Tritanomaly

48.3130, 29.8239, 32.0644

Monochromacy



Original Color

56.0230, 30.5782, 69.2791



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

32.9149, 25.2310, 41.1655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0230, 30.5782, 69.2791 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, 69, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 218)  
}
```

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, 69, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 218) }
```

Border

The CSS property to change the border of an element to XYZ 56.0230, 30.5782, 69.2791 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, 69, 218) }
```


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

```
.border{ border-color:rgb(255, 69, 218) }
```

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

Here you see how a box with a 4 pixel rgb(255, 69, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0230, 30.5782, 69.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 218) }
```

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

```
.background{ background-color: rgb(255, 69,  
218) }
```

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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