

Converting Colors

XYZ(56.4439, 31.0346, 70.6078)

Have a look what the booklet for
XYZ(56.4439, 31.0346, 70.6078)
contains.

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Color

**XYZ(56.4756, 31.0620,
70.7291)**

Conversions

Conversions Part 1

Format	Color
Hex	FF48DC
RGB	255, 72, 220
RGB Percent	100%, 28%, 86%
CMY	0.0000, 0.7176, 0.1373
CMYK	0.00, 0.72, 0.14, 0.00
HSL	311°, 100%, 64%
HSV	311°, 72%, 100%
XYZ	56.4756, 31.0620, 70.7291
YIQ	143.5890, 61.5600, 84.8240

Conversions

Conversions Part 2

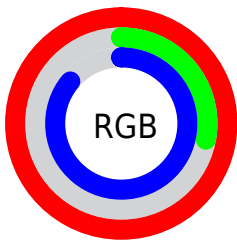
Format	Color
RYB	255, 72, 220
Decimal	16730332
CIELab	62.56, 81.73, -37.76
CIElCh	63, 90.032, 335.201
Yxy	31.0620, 0.3568, 0.1963
Android (android.graphics.Color)	4294920412 (0xFFFF48DC)
YUV	143.5890, 37.6706, 97.7074
Hunter-Lab	55.7333, 83.3442, -36.2295

Details

The XYZ color **56.4756, 31.0620, 70.7291** 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 **41.0876, 73.9598, 26.0227**, and the grayscale version is **26.1824, 27.5459, 29.9975**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **28.9490, 14.1497, 36.3273** is the 20% darker color. If you saturate the color by 10%, you get **54.5186, 28.1667, 66.9363**, and if you desaturate by 10%, it is **59.1359, 35.3335, 74.8500**.

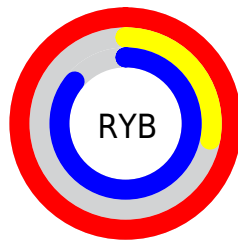
Distribution



Red (100%)

Green (28%)

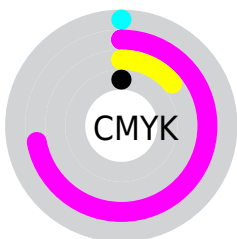
Blue (86%)



Red (100%)

Yellow (28%)

Blue (86%)

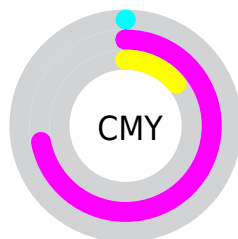


Cyan (0%)

Magenta (72%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4756, 31.0620, 70.7291 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 56.4756, 31.0620, 70.7291 by changing the saturation by 10% instead.


 56.4756, 31.0620,
70.7291


 56.4756, 31.0620,
70.7291

401.5274,
306.8238, 481.9640


 40.8229, 20.6461,
51.6407

 98.8354, 61.3377,
121.9388


 28.3678, 12.8655,
36.3385


 126.2732, 81.9662,
154.8971

 18.7449, 7.3360,
24.4040


 158.3700,
106.7677, 193.3158

 11.5890, 3.6731,
15.4186

 195.4912,
136.1266, 237.6134

 6.5347, 1.4924,
8.9638

238.0022,
170.4273, 288.2085

 3.2166, 0.2834,
4.6211

286.2684,

 1.2693, 0.0000,

210.0541, 345.5196

1.9719

340.6550,
255.3915, 409.9653

■ 0.1601, 0.0000,
0.5379

■ 0.0000, 0.0000,
0.0000

■ 56.4756, 31.0620,
70.7291

■ 56.4756, 31.0620,
70.7291

■ 54.5186, 28.1667,
66.9363

■ 59.1359, 35.3335,
74.8500

■ 53.1719, 26.4621,
63.4388

■ 62.5727, 41.1278,
79.3232

■ 52.4082, 25.7273,
60.7412

■ 66.8524, 48.5771,
84.1718

■ 72.0334, 57.7982,
89.4161

78.1689, 68.8971,
95.0747

85.3080, 81.9719,
101.1645

93.4964, 97.1135,
107.7015

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.



45.2849, 31.0620, 124.2832



56.4756, 31.0620, 70.7291



59.7333, 31.0620, 28.0689

Triad

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



56.4756, 31.0620, 70.7291



27.4399, 31.0620, 1.3065



14.1586, 31.0620, 89.4964

Complementary

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



56.4756, 31.0620, 70.7291



41.0876, 73.9598, 26.0227

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.



11.7331, 31.0620, 40.3103



56.4756, 31.0620, 70.7291



17.9231, 31.0620, 3.2249

Square

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



56.4756, 31.0620, 70.7291



40.5434, 31.0620, 2.1098



12.8907, 31.0620, 12.6869



20.7067, 31.0620, 139.4167

Rectangle

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



56.4756, 31.0620, 70.7291



56.3682, 31.0620, 12.4655



12.8907, 31.0620, 12.6869



12.9308, 31.0620, 71.4317

Sweetspot

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



56.4763, 31.0634, 70.7297



78.0106, 68.6089, 94.9343



26.2595, 14.8932, 96.0984



16.3219, 14.0027, 19.9830



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.



56.4763, 31.0634, 70.7297



53.8791, 27.3106, 65.4195



47.5844, 27.5066, 23.9052



18.6349, 18.2373, 21.9606



27.4376, 13.4643, 32.0183



2.7080, 1.3256, 3.3099

Inverse Universe

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



56.4763, 31.0634, 70.7297



53.8791, 27.3106, 65.4195



48.5174, 76.9318, 65.1475



18.6349, 18.2373, 21.9606



27.4376, 13.4643, 32.0183



2.7080, 1.3256, 3.3099

Previews

White Background



This preview shows how the XYZ color 56.4756, 31.0620, 70.7291 looks on a white background.

Color Contrast Check

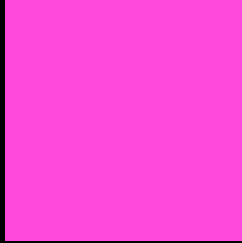
Large Text (above 18pt) WCAG AA × Fail

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 56.4756, 31.0620, 70.7291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

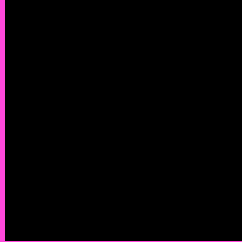
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.4756, 31.0620, 70.7291

Background



This preview shows how black text looks on a background with the XYZ color 56.4756, 31.0620, 70.7291.



This preview shows how white text looks on a background with the XYZ color 56.4756, 31.0620,

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

56.4756, 31.0620, 70.7291

Protanopia

34.4656, 31.4031, 98.8526

Deuteranopia

32.0878, 31.4027, 64.6917



Tritanopia

45.7909, 30.9128, 19.1761

Trichromacy



Original Color

56.4756, 31.0620, 70.7291



Protanomaly

37.2407, 27.3173, 87.3144



Deuteranomaly

37.1012, 28.0703, 66.4134



Tritanomaly

48.7371, 30.4121, 33.0072

Monochromacy



Original Color

56.4756, 31.0620, 70.7291



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

33.6920, 26.1258, 42.2967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4756, 31.0620, 70.7291 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, 72, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 220)  
}
```

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, 72, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 220) }
```

Border

The CSS property to change the border of an element to XYZ 56.4756, 31.0620, 70.7291 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, 72, 220) }
```


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

```
.border{ border-color:rgb(255, 72, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 72, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4756, 31.0620, 70.7291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 220) }
```

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

```
.background{ background-color: rgb(255, 72,  
220) }
```

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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