

Converting Colors

XYZ(56.4501, 30.7850, 89.1816)

Have a look what the booklet for
XYZ(56.4501, 30.7850, 89.1816)
contains.

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Color

**XYZ(56.5202, 30.7701,
89.3465)**

Conversions

Conversions Part 1

Format	Color
Hex	F549F5
RGB	245, 73, 245
RGB Percent	96%, 29%, 96%
CMY	0.0392, 0.7137, 0.0392
CMYK	0.00, 0.70, 0.00, 0.04
HSL	300°, 90%, 62%
HSV	300°, 70%, 96%
XYZ	56.5202, 30.7701, 89.3465
YIQ	144.0360, 47.3000, 89.9560

Conversions

Conversions Part 2

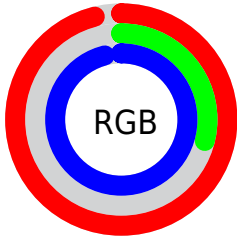
Format	Color
R _Y B	245, 73, 245
Decimal	16075253
CIE Lab	62.31, 82.90, -52.22
CIE LCh	62, 97.979, 327.794
Yxy	30.7701, 0.3200, 0.1742
Android (android.graphics.Color)	4294265333 (0xFFFF549F5)
YUV	144.0360, 49.7753, 88.5454
Hunter-Lab	55.4708, 84.8030, -56.6685

Details

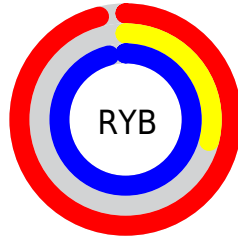
The XYZ color **56.5202, 30.7701, 89.3465** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **36.6041, 67.2038, 17.3473**, and the grayscale version is **26.3181, 27.6887, 30.1530**.

A 20% lighter version of the original color is **68.0942, 46.0883, 99.9147**, and **29.0847, 13.9451, 48.7357** is the 20% darker color. If you saturate the color by 10%, you get **55.2161, 28.1611, 88.9119**, and if you desaturate by 10%, it is **58.4601, 34.6490, 89.9935**.

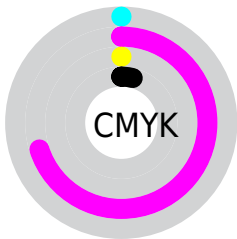
Distribution



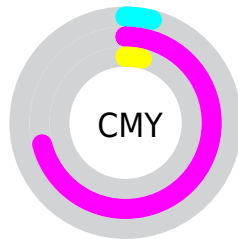
- Red (96%)
- Green (29%)
- Blue (96%)



- Red (96%)
- Yellow (29%)
- Blue (96%)



- Cyan (0%)
- Magenta (70%)
- Yellow (0%)
- Black (4%)





- Cyan (4%)
- Magenta (71%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5202, 30.7701, 89.3465 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 56.5202, 30.7701, 89.3465 by changing the saturation by 10% instead.


 56.5202, 30.7701,
89.3465

 56.5202, 30.7701,
89.3465

401.6923,
305.4778, 546.4179


 40.8588, 20.4238,
66.8681

 98.9002, 60.8779,
148.3579


 28.3959, 12.7035,
48.5165


 126.3494, 81.4083,
185.7280

 18.7663, 7.2247,
33.8732


 158.4587,
106.1022, 228.8990

 11.6045, 3.6030,
22.5196

 195.5933,
135.3439, 278.2896

 6.5453, 1.4541,
14.0373

238.1186,
169.5180, 334.3182

 3.2232, 0.2561,
8.0075

286.4000,

 1.2729, 0.0000,

209.0087, 397.4035

4.0119

340.8027,
254.2005, 467.9638

■ 0.1628, 0.0000,
1.6319

■ 0.0000, 0.0000,
0.3134

■ 56.5202, 30.7701,
89.3465

■ 56.5202, 30.7701,
89.3465

■ 55.2161, 28.1611,
88.9119

■ 58.4601, 34.6490,
89.9935

■ 54.4651, 26.6590,
88.6614

■ 61.0989, 39.9265,
90.8732

■ 54.1383, 26.0054,
88.5523

■ 64.4958, 46.7203,
92.0057

■ 68.7029, 55.1345,
93.4082

73.7677, 65.2640,
95.0966

79.7340, 77.1965,
97.0855

86.6426, 91.0136,
99.3885

89.8986, 97.5255,
100.4739

89.8986, 97.5255,
100.4741

Harmonies

Analogous

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



42.8010, 30.7701, 148.3041



56.5202, 30.7701, 89.3465



62.7888, 30.7701, 36.3897

Triad

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



56.5202, 30.7701, 89.3465



30.2372, 30.7701, 0.6663



12.0070, 30.7701, 80.3187

Complementary

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



56.5202, 30.7701, 89.3465



36.6041, 67.2038, 17.3473

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.



10.4655, 30.7701, 30.7739



56.5202, 30.7701, 89.3465



18.9057, 30.7701, 1.5381

Square

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



56.5202, 30.7701, 89.3465



45.0269, 30.7701, 1.9268



12.5566, 30.7701, 7.7271



17.6646, 30.7701, 140.8642

Rectangle

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



56.5202, 30.7701, 89.3465



60.8137, 30.7701, 15.7918



12.5566, 30.7701, 7.7271



11.0818, 30.7701, 61.1005

Sweetspot

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



56.5214, 30.7715, 89.3471



80.2816, 70.4634, 103.9769



21.6130, 12.7756, 87.7144



16.8392, 14.3934, 22.1405



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.



56.5214, 30.7715, 89.3471



60.0758, 30.0520, 97.2407



46.2983, 26.6823, 35.5131



17.2137, 16.7683, 20.8719



29.1649, 14.0094, 47.7042



2.5633, 1.2313, 4.1927

Inverse Universe

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



56.5214, 30.7715, 89.3471



60.0758, 30.0520, 97.2407



41.6596, 69.2260, 43.9693



17.2137, 16.7683, 20.8719



29.1649, 14.0094, 47.7042



2.5633, 1.2313, 4.1927

Previews

White Background



This preview shows how the XYZ color 56.5202, 30.7701, 89.3465 looks on a white background.

Color Contrast Check

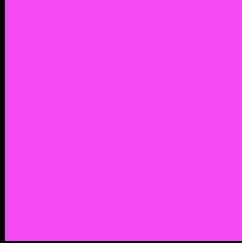
Large Text (above 18pt) WCAG AA × Fail

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 56.5202, 30.7701, 89.3465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

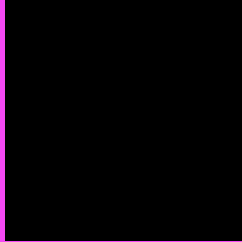
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5202, 30.7701, 89.3465

Background



This preview shows how black text looks on a background with the XYZ color 56.5202, 30.7701, 89.3465.



This preview shows how white text looks on a background with the XYZ color 56.5202, 30.7701,

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

56.5202, 30.7701, 89.3465

Protanopia

34.2334, 31.2834, 98.8417

Deuteranopia

31.9210, 30.9471, 81.3818



Tritanopia

42.4852, 30.4287, 22.0465

Trichromacy



Original Color

56.5202, 30.7701, 89.3465



Protanomaly

37.7675, 27.6083, 94.6052



Deuteranomaly

36.3461, 27.3026, 83.4750



Tritanomaly

46.0290, 29.5466, 39.8363

Monochromacy



Original Color

56.5202, 30.7701, 89.3465



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

33.8750, 26.1168, 46.9717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5202, 30.7701, 89.3465 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(245, 73, 245)` looks like.

```
.text, #text, p{  
    color:rgb(245, 73, 245)  
}
```

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(245, 73, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 73, 245) }
```

Border

The CSS property to change the border of an element to XYZ 56.5202, 30.7701, 89.3465 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(245, 73, 245) }
```


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

```
.border{ border-color:rgb(245, 73, 245) }
```

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

Here you see how a box with a 4 pixel rgb(245, 73, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 73, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 73, 245);  
box-shadow:4px 4px 4px 4px rgb(245, 73,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5202, 30.7701, 89.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 73, 245) }
```

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

```
.background{ background-color: rgb(245, 73,  
245) }
```

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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