

Converting Colors

XYZ(56.4569, 29.2409, 76.2217)

Have a look what the booklet for
XYZ(56.4569, 29.2409, 76.2217)
contains.

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Color

**XYZ(56.4274, 29.2291,
76.0665)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33E4
RGB	255, 51, 228
RGB Percent	100%, 20%, 89%
CMY	0.0000, 0.7999, 0.1059
CMYK	0.00, 0.80, 0.11, 0.00
HSL	308°, 100%, 60%
HSV	308°, 80%, 100%
XYZ	56.4274, 29.2291, 76.0665
YIQ	132.1740, 64.7670, 98.2950

Conversions

Conversions Part 2

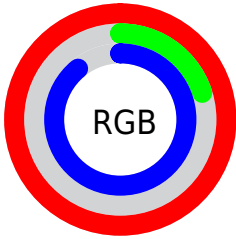
Format	Color
R _{YB}	255, 51, 228
Decimal	16724964
CIE _{Lab}	60.98, 88.41, -44.73
CIE _{LCh}	61, 99.079, 333.161
Yxy	29.2291, 0.3489, 0.1807
Android (android.graphics.Color)	4294915044 (0xFFFF33E4)
YUV	132.1740, 47.2422, 107.7184
Hunter-Lab	54.0639, 91.6914, -45.5747

Details

The XYZ color **56.4274, 29.2291, 76.0665** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **38.5016, 72.7744, 19.2279**, and the grayscale version is **21.8161, 22.9522, 24.9950**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **29.6945, 14.4479, 40.2534** is the 20% darker color. If you saturate the color by 10%, you get **55.1382, 27.3933, 73.3477**, and if you desaturate by 10%, it is **58.3369, 32.2908, 79.0378**.

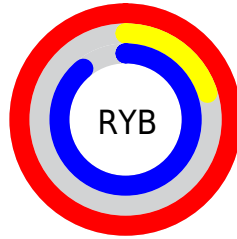
Distribution



Red (100%)

Green (20%)

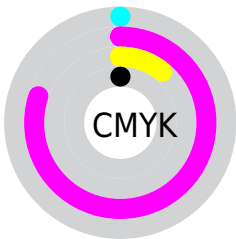
Blue (89%)



Red (100%)

Yellow (20%)

Blue (89%)

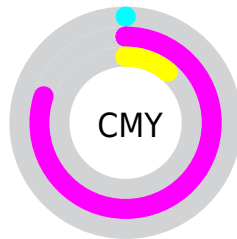


Cyan (0%)

Magenta (80%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4274, 29.2291, 76.0665 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 56.4274, 29.2291, 76.0665 by changing the saturation by 10% instead.


 56.4274, 29.2291,
76.0665


 56.4274, 29.2291,
76.0665


401.3492,
298.2944, 500.9282


 40.7840, 19.2542,
55.9801


 98.7654, 58.4409,
129.5819


 28.3373, 11.8541,
39.7830


 126.1907, 78.4466,
163.8478

 18.7218, 6.6444,
27.0569


 158.2741,
102.5646, 203.6774

 11.5723, 3.2407,
17.3832

 195.3809,
131.1794, 249.4891

 6.5233, 1.2587,
10.3432

 237.8765,
164.6754, 301.7015

 3.2094, 0.1089,
5.5185

286.1261,

 1.2655, 0.0000,

203.4370, 360.7332

2.4906

340.4952,
247.8485, 427.0025

■ 0.1571, 0.0000,
0.8352

■ 0.0000, 0.0000,
0.0000

■ 56.4274, 29.2291,
76.0665

■ 56.4274, 29.2291,
76.0665

■ 55.1382, 27.3933,
73.3477

■ 58.3369, 32.2908,
79.0378

■ 54.3247, 26.4941,
70.8321

■ 60.9522, 36.7493,
82.2894

■ 54.3243, 26.4937,
70.8307

■ 64.3471, 42.7523,
85.8466

■ 68.5857, 50.4279,
89.7308

73.7254, 59.8908,
93.9616

79.8185, 71.2454,
98.5565

86.9133, 84.5882,
103.5319

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.



43.7377, 29.2291, 136.5386



56.4274, 29.2291, 76.0665



60.7732, 29.2291, 28.0555

Triad

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



56.4274, 29.2291, 76.0665



26.4318, 29.2291, 0.4345



11.7221, 29.2291, 88.8936

Complementary

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



56.4274, 29.2291, 76.0665



38.5016, 72.7744, 19.2279

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.



9.6054, 29.2291, 35.9190



56.4274, 29.2291, 76.0665



16.2714, 29.2291, 1.6796

Square

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



56.4274, 29.2291, 76.0665



40.5997, 29.2291, 1.1852



10.9671, 29.2291, 9.2740



17.9924, 29.2291, 147.1788

Rectangle

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



56.4274, 29.2291, 76.0665



57.5172, 29.2291, 11.2186



10.9671, 29.2291, 9.2740



10.6078, 29.2291, 68.8922

Sweetspot

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



56.4281, 29.2303, 76.0670



77.2603, 66.4638, 96.6712



22.1214, 11.0772, 95.5799



16.0782, 13.3719, 20.3435



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.



56.4281, 29.2303, 76.0670



54.6159, 26.7875, 71.8203



46.4008, 25.2194, 23.2639



18.6831, 18.2566, 22.2144



28.4259, 13.8596, 37.2227



2.7952, 1.3605, 3.7690

Inverse Universe

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



56.4281, 29.2303, 76.0670



54.6159, 26.7875, 71.8203



45.0424, 75.3907, 53.6712



18.6831, 18.2566, 22.2144



28.4259, 13.8596, 37.2227



2.7952, 1.3605, 3.7690

Previews

White Background



This preview shows how the XYZ color 56.4274, 29.2291, 76.0665 looks on a white background.

Color Contrast Check

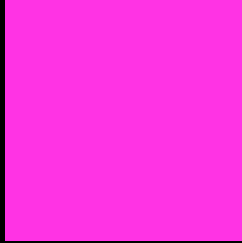
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.4274, 29.2291, 76.0665 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 56.4274, 29.2291, 76.0665

Background



This preview shows how black text looks on a background with the XYZ color 56.4274, 29.2291, 76.0665.



This preview shows how white text looks on a background with the XYZ color 56.4274, 29.2291,

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

56.4274, 29.2291, 76.0665

Protanopia

32.8471, 29.6533, 98.6002

Deuteranopia

30.1524, 29.3860, 68.3728



Tritanopia

43.9738, 28.9983, 16.6442

Trichromacy



Original Color

56.4274, 29.2291, 76.0665



Protanomaly

35.3838, 24.6145, 89.2723



Deuteranomaly

34.7512, 24.8610, 70.6772



Tritanomaly

46.8801, 28.0108, 31.7899

Monochromacy



Original Color

56.4274, 29.2291, 76.0665



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

29.9568, 21.8376, 39.1954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4274, 29.2291, 76.0665 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, 51, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 228)  
}
```

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, 51, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 228) }
```

Border

The CSS property to change the border of an element to XYZ 56.4274, 29.2291, 76.0665 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, 51, 228) }
```


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

```
.border{ border-color:rgb(255, 51, 228) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4274, 29.2291, 76.0665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 228) }
```

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

```
.background{ background-color: rgb(255, 51,  
228) }
```

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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