

Converting Colors

XYZ(56.5352, 29.2729, 76.6323)

Have a look what the booklet for
XYZ(56.5352, 29.2729, 76.6323)
contains.

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Color

**XYZ(56.5667, 29.2848,
76.7999)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33E5
RGB	255, 51, 229
RGB Percent	100%, 20%, 90%
CMY	0.0000, 0.7999, 0.1020
CMYK	0.00, 0.80, 0.10, 0.00
HSL	308°, 100%, 60%
HSV	308°, 80%, 100%
XYZ	56.5667, 29.2848, 76.7999
YIQ	132.2880, 64.4460, 98.6060

Conversions

Conversions Part 2

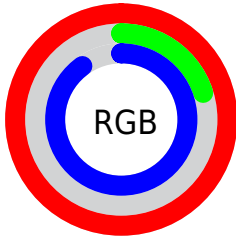
Format	Color
R _{YB}	255, 51, 229
Decimal	16724965
CIE Lab	61.03, 88.54, -45.22
CIE LCh	61, 99.418, 332.947
Yxy	29.2848, 0.3478, 0.1800
Android (android.graphics.Color)	4294915045 (0xFFFF33E5)
YUV	132.2880, 47.6790, 107.6184
Hunter-Lab	54.1154, 91.8835, -46.2628

Details

The XYZ color **56.5667, 29.2848, 76.7999** 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 **38.4660, 72.7602, 19.0404**, and the grayscale version is **21.8555, 22.9937, 25.0402**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **29.7910, 14.4865, 40.7612** is the 20% darker color. If you saturate the color by 10%, you get **55.2919, 27.4547, 74.1571**, and if you desaturate by 10%, it is **58.4611, 32.3404, 79.6918**.

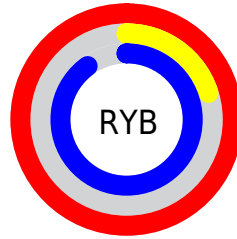
Distribution



Red (100%)

Green (20%)

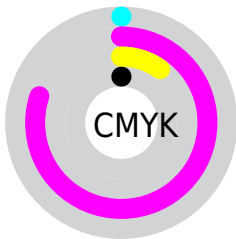
Blue (90%)



Red (100%)

Yellow (20%)

Blue (90%)

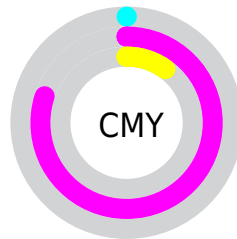


Cyan (0%)

Magenta (80%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5667, 29.2848, 76.7999 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 56.5667, 29.2848, 76.7999 by changing the saturation by 10% instead.


 56.5667, 29.2848,
76.7999

 56.5667, 29.2848,
76.7999

401.8642,
298.5564, 503.5010


 40.8962, 19.2964,
56.5781


 98.9677, 58.5293,
130.6274


 28.4253, 11.8846,
40.2595


 126.4289, 78.5541,
165.0702


 18.7886, 6.6652,
27.4256


 158.5511,
102.6932, 205.0903

 11.6207, 3.2536,
17.6579

 195.6997,
131.3309, 251.1065

 6.5563, 1.2655,
10.5377

 238.2399,
164.8517, 303.5370

 3.2301, 0.1143,
5.6467

286.5371,

 1.2766, 0.0000,

203.6400, 362.8006

2.5662

340.9568,
248.0801, 429.3158

■ 0.1656, 0.0000,
0.8749

■ 0.0000, 0.0000,
0.0000

■ 56.5667, 29.2848,
76.7999

■ 56.5667, 29.2848,
76.7999

■ 55.2919, 27.4547,
74.1571

■ 58.4611, 32.3404,
79.6918

■ 54.4921, 26.5611,
71.7140

■ 61.0606, 36.7926,
82.8606

■ 54.4917, 26.5607,
71.7127

■ 64.4391, 42.7891,
86.3314

■ 68.6607, 50.4578,
90.1258

73.7826, 59.9135,
94.2632

79.8573, 71.2607,
98.7611

86.9330, 84.5959,
103.6360

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.



43.7667, 29.2848, 137.6261



56.5667, 29.2848, 76.7999



61.0146, 29.2848, 28.3450

Triad

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



56.5667, 29.2848, 76.7999



26.5687, 29.2848, 0.4153



11.6832, 29.2848, 88.8350

Complementary

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



56.5667, 29.2848, 76.7999



38.4660, 72.7602, 19.0404

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.



9.5871, 29.2848, 35.7107



56.5667, 29.2848, 76.7999



16.3306, 29.2848, 1.6392

Square

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



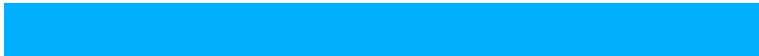
56.5667, 29.2848, 76.7999



40.8249, 29.2848, 1.1811



10.9773, 29.2848, 9.1481



17.9410, 29.2848, 147.6167

Rectangle

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



56.5667, 29.2848, 76.7999



57.7903, 29.2848, 11.3238



10.9773, 29.2848, 9.1481



10.5751, 29.2848, 68.7434

Sweetspot

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



56.5674, 29.2860, 76.8004



77.3066, 66.4823, 96.9152



22.1214, 11.0771, 95.5799



16.0895, 13.3765, 20.4031



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.



56.5674, 29.2860, 76.8004



54.7779, 26.8523, 72.6737



46.4007, 25.2194, 23.2638



18.6871, 18.2582, 22.2356



28.5122, 13.8942, 37.6772



2.8028, 1.3635, 3.8089

Inverse Universe

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



56.5674, 29.2860, 76.8004



54.7779, 26.8523, 72.6737



45.0423, 75.3907, 53.6712



18.6871, 18.2582, 22.2356



28.5122, 13.8942, 37.6772



2.8028, 1.3635, 3.8089

Previews

White Background



This preview shows how the XYZ color 56.5667, 29.2848, 76.7999 looks on a white background.

Color Contrast Check

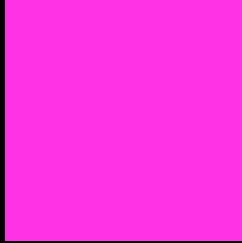
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.5667, 29.2848, 76.7999 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 56.5667, 29.2848, 76.7999

Background



This preview shows how black text looks on a background with the XYZ color 56.5667, 29.2848, 76.7999.



This preview shows how white text looks on a background with the XYZ color 56.5667, 29.2848,

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

56.5667, 29.2848, 76.7999

Protanopia

32.8471, 29.6533, 98.6002

Deuteranopia

30.1448, 29.3672, 69.0454



Tritanopia

44.0255, 29.0190, 16.9165

Trichromacy



Original Color

56.5667, 29.2848, 76.7999



Protanomaly

35.5369, 24.6757, 90.0787



Deuteranomaly

34.8840, 24.9142, 71.3769



Tritanomaly

46.9610, 28.0431, 32.2159

Monochromacy



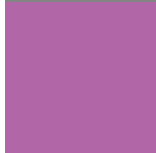
Original Color

56.5667, 29.2848, 76.7999



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 56.5667, 29.2848, 76.7999 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 229) }
```

Border

The CSS property to change the border of an element to XYZ 56.5667, 29.2848, 76.7999 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, 229) }
```


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

```
.border{ border-color:rgb(255, 51, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5667, 29.2848, 76.7999 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, 229) }
```

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

```
.background{ background-color: rgb(255, 51,  
229) }
```

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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