

Converting Colors

XYZ(55.9841, 29.0518, 73.7322)

Have a look what the booklet for
XYZ(55.9841, 29.0518, 73.7322)
contains.

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Color

**XYZ(56.0144, 29.0639,
73.8918)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33E1
RGB	255, 51, 225
RGB Percent	100%, 20%, 88%
CMY	0.0000, 0.7999, 0.1176
CMYK	0.00, 0.80, 0.12, 0.00
HSL	309°, 100%, 60%
HSV	309°, 80%, 100%
XYZ	56.0144, 29.0639, 73.8918
YIQ	131.8320, 65.7300, 97.3620

Conversions

Conversions Part 2

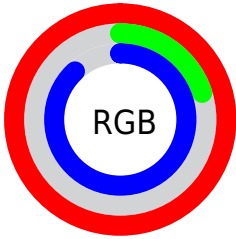
Format	Color
R_{YB}	255, 51, 225
Decimal	16724961
CIE _{Lab}	60.84, 88.00, -43.28
CIE _{LCh}	61, 98.069, 333.814
Yxy	29.0639, 0.3524, 0.1828
Android (android.graphics.Color)	4294915041 (0xFFFF33E1)
YUV	131.8320, 45.9318, 108.0183
Hunter-Lab	53.9109, 91.1204, -43.5268

Details

The XYZ color **56.0144, 29.0639, 73.8918** 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 **38.6117, 72.8185, 19.8076**, and the grayscale version is **21.6977, 22.8277, 24.8594**.

A 20% lighter version of the original color is **66.1274, 42.1547, 99.2591**, and **29.4096, 14.3339, 38.7528** is the 20% darker color. If you saturate the color by 10%, you get **54.6833, 27.2113, 70.9518**, and if you desaturate by 10%, it is **57.9681, 32.1433, 77.0954**.

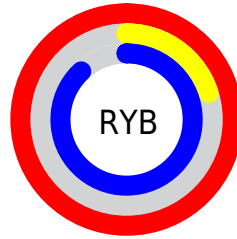
Distribution



Red (100%)

Green (20%)

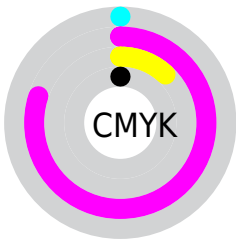
Blue (88%)



Red (100%)

Yellow (20%)

Blue (88%)

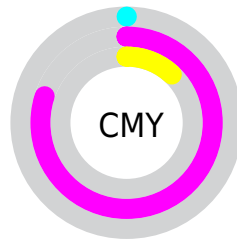


Cyan (0%)

Magenta (80%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0144, 29.0639, 73.8918 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 56.0144, 29.0639, 73.8918 by changing the saturation by 10% instead.


 56.0144, 29.0639,
73.8918

 56.0144, 29.0639,
73.8918


399.8199,
297.5163, 493.2533


 40.4515, 19.1292,
54.2092


 98.1653, 58.1786,
126.4750


 28.0765, 11.7636,
38.3747


 125.4841, 78.1273,
160.2128


 18.5241, 6.5830,
25.9695

 157.4521,
102.1829, 199.4727

 11.4289, 3.2027,
16.5753

 194.4349,
130.7296, 244.6733

 6.4255, 1.2384,
9.7734

 236.7977,
164.1519, 296.2331

 3.1486, 0.0928,
5.1453

284.9059,

 1.2328, 0.0000,

202.8342, 354.5707

2.2726

339.1249,
247.1609, 420.1045

■ 0.1321, 0.0000,
0.7158

■ 0.0000, 0.0000,
0.0000

■ 56.0144, 29.0639,
73.8918

■ 56.0144, 29.0639,
73.8918

■ 54.6833, 27.2113,
70.9518

■ 57.9681, 32.1433,
77.0954

■ 53.8297, 26.2961,
68.2257

■ 60.6295, 36.6203,
80.5904

■ 53.8293, 26.2957,
68.2242

■ 64.0728, 42.6427,
84.4021

■ 68.3619, 50.3385,
88.5523

73.5543, 59.8224,
93.0604

79.7023, 71.1989,
97.9442

86.8542, 84.5646,
103.2200

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.



43.6543, 29.0639, 133.3109



56.0144, 29.0639, 73.8918



60.0555, 29.0639, 27.1970

Triad

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



56.0144, 29.0639, 73.8918



26.0239, 29.0639, 0.4923



11.8407, 29.0639, 89.0797

Complementary

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



56.0144, 29.0639, 73.8918



38.6117, 72.8185, 19.8076

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.



9.6612, 29.0639, 36.5548



56.0144, 29.0639, 73.8918



16.0950, 29.0639, 1.8053

Square

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



56.0144, 29.0639, 73.8918



39.9296, 29.0639, 1.1973



10.9367, 29.0639, 9.6607



18.1490, 29.0639, 145.8808

Rectangle

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



56.0144, 29.0639, 73.8918



56.7048, 29.0639, 10.9058



10.9367, 29.0639, 9.6607



10.7069, 29.0639, 69.3488

Sweetspot

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



56.0151, 29.0652, 73.8923



77.1218, 66.4084, 95.9417



22.3938, 11.2176, 95.5927



16.0444, 13.3584, 20.1654



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.



56.0151, 29.0652, 73.8923



54.1366, 26.5958, 69.2967



46.1780, 25.1303, 22.0909



18.6710, 18.2517, 22.1509



28.1707, 13.7576, 35.8791



2.7728, 1.3515, 3.6510

Inverse Universe

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



56.0151, 29.0652, 73.8923



54.1366, 26.5958, 69.2967



45.3851, 75.5278, 55.4760



18.6710, 18.2517, 22.1509



28.1707, 13.7576, 35.8791



2.7728, 1.3515, 3.6510

Previews

White Background



This preview shows how the XYZ color 56.0144, 29.0639, 73.8918 looks on a white background.

Color Contrast Check

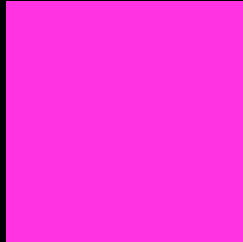
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.0144, 29.0639, 73.8918 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 56.0144, 29.0639, 73.8918

Background



This preview shows how black text looks on a background with the XYZ color 56.0144, 29.0639, 73.8918.



This preview shows how white text looks on a background with the XYZ color 56.0144, 29.0639,

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

56.0144, 29.0639, 73.8918

Protanopia

32.7426, 29.5994, 98.5953

Deuteranopia

30.0477, 29.3762, 66.3738



Tritanopia

43.8285, 28.7895, 16.3436

Trichromacy



Original Color

56.0144, 29.0639, 73.8918



Protanomaly

35.0419, 24.4558, 88.4615



Deuteranomaly

34.7864, 24.9247, 68.6231



Tritanomaly

46.6455, 27.7971, 30.9239

Monochromacy



Original Color

56.0144, 29.0639, 73.8918



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

29.8646, 21.8008, 38.7103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0144, 29.0639, 73.8918 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 225) }
```

Border

The CSS property to change the border of an element to XYZ 56.0144, 29.0639, 73.8918 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, 225) }
```


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

```
.border{ border-color:rgb(255, 51, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0144, 29.0639, 73.8918 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, 225) }
```

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

```
.background{ background-color: rgb(255, 51,  
225) }
```

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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