

Converting Colors

XYZ(56.7866, 29.9703, 76.1159)

Have a look what the booklet for
XYZ(56.7866, 29.9703, 76.1159)
contains.

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Color

**XYZ(56.8076, 29.9894,
76.1932)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3BE4
RGB	255, 59, 228
RGB Percent	100%, 23%, 89%
CMY	0.0000, 0.7686, 0.1059
CMYK	0.00, 0.77, 0.11, 0.00
HSL	308°, 100%, 62%
HSV	308°, 77%, 100%
XYZ	56.8076, 29.9894, 76.1932
YIQ	136.8700, 62.5670, 94.1110

Conversions

Conversions Part 2

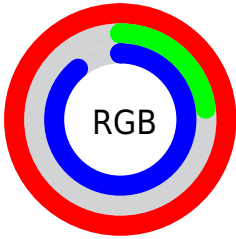
Format	Color
R _Y B	255, 59, 228
Decimal	16727012
CIE Lab	61.65, 86.49, -43.69
CIE LCh	62, 96.903, 333.201
Yxy	29.9894, 0.3485, 0.1840
Android (android.graphics.Color)	4294917092 (0xFFFF3BE4)
YUV	136.8700, 44.9271, 103.6000
Hunter-Lab	54.7626, 89.3313, -44.1586

Details

The XYZ color **56.8076, 29.9894, 76.1932** 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 **39.2445, 73.1223, 20.8522**, and the grayscale version is **23.5504, 24.7769, 26.9820**.

A 20% lighter version of the original color is **66.7509, 43.4017, 99.4670**, and **29.6945, 14.4479, 40.2534** is the 20% darker color. If you saturate the color by 10%, you get **55.3190, 27.7847, 73.3155**, and if you desaturate by 10%, it is **58.9467, 33.4790, 79.3373**.

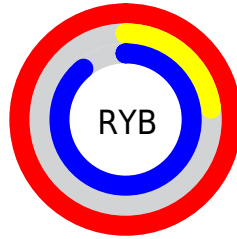
Distribution



Red (100%)

Green (23%)

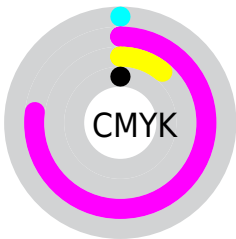
Blue (89%)



Red (100%)

Yellow (23%)

Blue (89%)

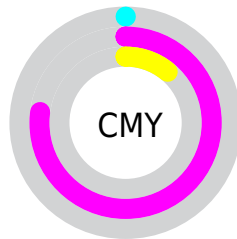


Cyan (0%)

Magenta (77%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (77%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8076, 29.9894, 76.1932 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 56.8076, 29.9894, 76.1932 by changing the saturation by 10% instead.

 56.8076, 29.9894,
76.1932


 56.8076, 29.9894,
76.1932

402.7538,
301.8550, 501.3732

 41.0903, 19.8305,
56.0833

 99.3174, 59.6454,
129.7626


 28.5777, 12.2719,
39.8653


 126.8406, 79.9114,
164.0591

 18.9042, 6.9292,
27.1206


 159.0298,
104.3151, 203.9217

 11.7047, 3.4178,
17.4305

 196.2504,
133.2411, 249.7688

 6.6137, 1.3536,
10.3767

 238.8678,
167.0737, 302.0189

 3.2659, 0.1821,
5.5406

287.2472,

 1.2959, 0.0000,

206.1973, 361.0907

2.5036

341.7541,
250.9963, 427.4026

■ 0.1801, 0.0000,
0.8421

■ 0.0000, 0.0000,
0.0000

■ 56.8076, 29.9894,
76.1932

■ 56.8076, 29.9894,
76.1932

■ 55.3190, 27.7847,
73.3155

■ 58.9467, 33.4790,
79.3373

■ 54.3747, 26.6530,
70.6676

■ 61.8164, 38.4142,
82.7738

■ 54.1412, 26.4205,
69.8666

■ 65.4876, 44.9360,
86.5268

■ 70.0218, 53.1679,
90.6173

75.4748, 63.2211,
95.0641

81.8976, 75.1975,
99.8844

89.3372, 89.1912,
105.0942

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.



44.3246, 29.9894, 135.1809



56.8076, 29.9894, 76.1932



61.0600, 29.9894, 28.8523

Triad

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



56.8076, 29.9894, 76.1932



27.1439, 29.9894, 0.6665



12.4004, 29.9894, 88.9042

Complementary

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



56.8076, 29.9894, 76.1932



39.2445, 73.1223, 20.8522

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.



10.2412, 29.9894, 36.7744



56.8076, 29.9894, 76.1932



16.9824, 29.9894, 2.0018

Square

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



56.8076, 29.9894, 76.1932



41.1880, 29.9894, 1.4473



11.6236, 29.9894, 9.9817



18.7347, 29.9894, 145.6470

Rectangle

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



56.8076, 29.9894, 76.1932



57.8547, 29.9894, 11.9275



11.6236, 29.9894, 9.9817



11.2660, 29.9894, 69.3111

Sweetspot

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



56.8082, 29.9906, 76.1938



77.8352, 67.6084, 96.8786



23.3740, 12.2872, 95.7475



16.1859, 13.5898, 20.3720



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.



56.8082, 29.9906, 76.1938



54.7736, 27.0851, 71.9279



46.8928, 26.0245, 23.9798



18.6787, 18.2548, 22.1911



28.3315, 13.8219, 36.7258



2.7869, 1.3572, 3.7254

Inverse Universe

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



56.8082, 29.9906, 76.1938



54.7736, 27.0851, 71.9279



46.1260, 75.8748, 57.0892



18.6787, 18.2548, 22.1911



28.3315, 13.8219, 36.7258



2.7869, 1.3572, 3.7254

Previews

White Background



This preview shows how the XYZ color 56.8076, 29.9894, 76.1932 looks on a white background.

Color Contrast Check

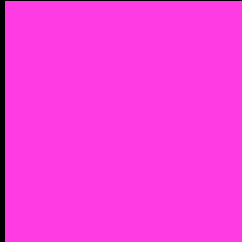
Large Text (above 18pt) WCAG AA ✓ Pass

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 56.8076, 29.9894, 76.1932 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 56.8076, 29.9894, 76.1932

Background



This preview shows how black text looks on a background with the XYZ color 56.8076, 29.9894, 76.1932.



This preview shows how white text looks on a background with the XYZ color 56.8076, 29.9894,

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

56.8076, 29.9894, 76.1932

Protanopia

33.5844, 30.4871, 98.7222

Deuteranopia

31.0106, 30.2753, 69.1750



Tritanopia

44.4738, 29.6616, 17.8492

Trichromacy



Original Color

56.8076, 29.9894, 76.1932



Protanomaly

36.2090, 25.6951, 89.4374



Deuteranomaly

35.7412, 26.2041, 70.8843



Tritanomaly

47.3531, 28.6967, 32.7490

Monochromacy



Original Color

56.8076, 29.9894, 76.1932



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

31.5467, 23.5429, 40.9117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8076, 29.9894, 76.1932 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, 59, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 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, 59, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 228) }
```

Border

The CSS property to change the border of an element to XYZ 56.8076, 29.9894, 76.1932 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, 59, 228) }
```


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

```
.border{ border-color:rgb(255, 59, 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, 59, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8076, 29.9894, 76.1932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 228) }
```

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

```
.background{ background-color: rgb(255, 59,  
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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