

Converting Colors

XYZ(51.8576, 27.4772, 56.3280)

Have a look what the booklet for
XYZ(51.8576, 27.4772, 56.3280)
contains.

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Color

**XYZ(51.7729, 27.4573,
56.6039)**

Conversions

Conversions Part 1

Format	Color
Hex	FC36C7
RGB	252, 54, 199
RGB Percent	99%, 21%, 78%
CMY	0.0118, 0.7882, 0.2196
CMYK	0.00, 0.79, 0.21, 0.01
HSL	316°, 97%, 60%
HSV	316°, 79%, 99%
XYZ	51.7729, 27.4573, 56.6039
YIQ	129.7320, 71.4630, 87.0710

Conversions

Conversions Part 2

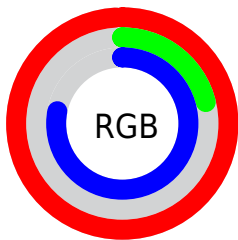
Format	Color
R _Y B	252, 54, 199
Decimal	16529095
CIE Lab	59.40, 83.36, -30.82
CIE LCh	59, 88.879, 339.709
Yxy	27.4573, 0.3811, 0.2021
Android (android.graphics.Color)	4294719175 (0xFFFC36C7)
YUV	129.7320, 34.1491, 107.2290
Hunter-Lab	52.3997, 84.6653, -27.3672

Details

The XYZ color **51.7729, 27.4573, 56.6039** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **38.9873, 71.4678, 25.6535**, and the grayscale version is **20.9916, 22.0848, 24.0504**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **26.5967, 13.1207, 27.9188** is the 20% darker color. If you saturate the color by 10%, you get **50.1226, 25.3823, 52.2747**, and if you desaturate by 10%, it is **54.0664, 30.7623, 61.3192**.

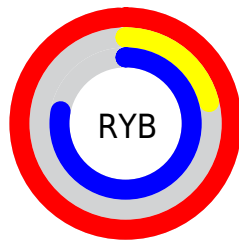
Distribution



Red (99%)

Green (21%)

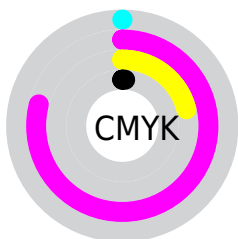
Blue (78%)



Red (99%)

Yellow (21%)

Blue (78%)

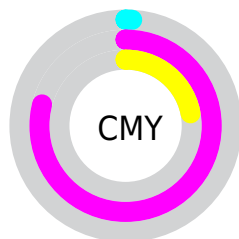


Cyan (0%)

Magenta (79%)

Yellow (21%)

Black (1%)



Cyan (1%)


Magenta (79%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7729, 27.4573, 56.6039 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 51.7729, 27.4573, 56.6039 by changing the saturation by 10% instead.

 51.7729, 27.4573,
56.6039


 51.7729, 27.4573,
56.6039

383.8976,
289.8645, 429.4155


 37.0476, 17.9170,
40.2801


 91.9724, 55.6168,
101.3816


 25.4182, 10.8904,
27.4415


 118.1774, 75.0048,
130.6725


 16.5193, 5.9932,
17.6697


 148.9397, 98.4441,
165.1229

 9.9855, 2.8409,
10.5462

 184.6246,
126.3191, 205.1513

 5.4516, 1.0493,
5.6522

 225.5975,
159.0143, 251.1762

 2.5520, 0.0000,
2.5695

272.2237,

 0.9216, 0.0000,

196.9140, 303.6162

0.8766

324.8686,
240.4026, 362.8898

■ 0.0000, 0.0000,
0.0000

■ 51.7729, 27.4573,
56.6039

■ 51.7729, 27.4573,
56.6039

■ 50.1226, 25.3823,
52.2747

■ 54.0664, 30.7623,
61.3192

■ 48.9951, 24.2983,
48.2886


■ 57.0831, 35.4581,
66.4490


■ 48.8538, 24.1790,
47.7376


■ 60.8941, 41.6853,
72.0190


■ 65.5608, 49.5665,
78.0520

■ 71.1387, 59.2115,
84.5684

 77.6781, 70.7208,
91.5871

 85.2260, 84.1874,
99.1255

 93.6297, 99.3054,
107.1349

 93.9552, 99.4356,
108.8488

Harmonies

Analogous

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



42.3067, 27.4573, 106.2371



51.7729, 27.4573, 56.6039



53.4036, 27.4573, 20.7016

Triad

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



51.7729, 27.4573, 56.6039



22.6504, 27.4573, 1.0364



12.8476, 27.4573, 88.6801

Complementary

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



51.7729, 27.4573, 56.6039



38.9873, 71.4678, 25.6535

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.



10.1701, 27.4573, 41.4758



51.7729, 27.4573, 56.6039



14.6685, 27.4573, 3.1840

Square

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



51.7729, 27.4573, 56.6039



34.2495, 27.4573, 1.3798



10.7253, 27.4573, 13.2739



19.3537, 27.4573, 132.1837

Rectangle

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



51.7729, 27.4573, 56.6039



49.4625, 27.4573, 8.6402



10.7253, 27.4573, 13.2739



11.5676, 27.4573, 71.7482

Sweetspot

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



51.7738, 27.4587, 56.6044



76.0108, 65.9640, 90.0912



24.9312, 12.7820, 93.2492



15.7741, 13.2503, 18.7420



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.



51.7738, 27.4587, 56.6044



50.8007, 25.3644, 51.4125



43.7754, 24.2594, 14.4854



17.7831, 17.4406, 20.7134



25.5128, 12.6209, 25.2068



2.4069, 1.1865, 2.5664

Inverse Universe

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



51.7738, 27.4587, 56.6044



50.8007, 25.3644, 51.4125



47.4494, 74.8526, 70.2147



17.7831, 17.4406, 20.7134



25.5128, 12.6209, 25.2068



2.4069, 1.1865, 2.5664

Previews

White Background



This preview shows how the XYZ color 51.7729, 27.4573, 56.6039 looks on a white background.

Color Contrast Check

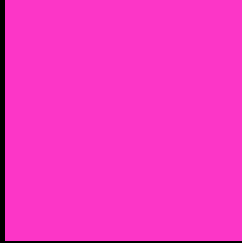
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.7729, 27.4573, 56.6039 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 51.7729, 27.4573, 56.6039

Background



This preview shows how black text looks on a background with the XYZ color 51.7729, 27.4573, 56.6039.



This preview shows how white text looks on a background with the XYZ color 51.7729, 27.4573,

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

51.7729, 27.4573, 56.6039

Protanopia

31.5479, 28.1000, 98.3688

Deuteranopia

28.2748, 27.6671, 51.4270



Tritanopia

42.8146, 27.3814, 14.0949

Trichromacy



Original Color

51.7729, 27.4573, 56.6039



Protanomaly

32.6768, 23.2313, 81.3591



Deuteranomaly

32.8876, 23.9732, 52.7631



Tritanomaly

44.9641, 26.7351, 24.9808

Monochromacy



Original Color

51.7729, 27.4573, 56.6039



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

28.1233, 20.8680, 33.5560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7729, 27.4573, 56.6039 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(252, 54, 199)` looks like.

```
.text, #text, p{  
    color:rgb(252, 54, 199)  
}
```

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(252, 54, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 54, 199) }
```

Border

The CSS property to change the border of an element to XYZ 51.7729, 27.4573, 56.6039 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(252, 54, 199) }
```


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

```
.border{ border-color:rgb(252, 54, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 54, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 54, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 54, 199);  
box-shadow:4px 4px 4px 4px rgb(252, 54,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7729, 27.4573, 56.6039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 54, 199) }
```

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

```
.background{ background-color: rgb(252, 54,  
199) }
```

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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