

Converting Colors

XYZ(51.8784, 27.4095, 52.1117)

Have a look what the booklet for
XYZ(51.8784, 27.4095, 52.1117)
contains.

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Color

**XYZ(51.8278, 27.3892,
51.8452)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33BF
RGB	255, 51, 191
RGB Percent	100%, 20%, 75%
CMY	0.0000, 0.7999, 0.2510
CMYK	0.00, 0.80, 0.25, 0.00
HSL	319°, 100%, 60%
HSV	319°, 80%, 100%
XYZ	51.8278, 27.3892, 51.8452
YIQ	127.9560, 76.6440, 86.7880

Conversions

Conversions Part 2

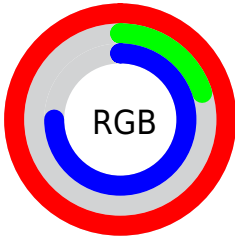
Format	Color
R _Y B	255, 51, 191
Decimal	16724927
CIE _{Lab}	59.33, 83.78, -26.29
CIE _{LCh}	59, 87.805, 342.577
Yxy	27.3892, 0.3954, 0.2090
Android (android.graphics.Color)	4294915007 (0xFFFF33BF)
YUV	127.9560, 31.0807, 111.4176
Hunter-Lab	52.3347, 85.1854, -22.1012

Details

The XYZ color **51.8278, 27.3892, 51.8452** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **40.2213, 73.4623, 28.2838**, and the grayscale version is **20.3822, 21.4436, 23.3521**.

A 20% lighter version of the original color is **64.8997, 41.4703, 93.3909**, and **26.5077, 13.1436, 24.8068** is the 20% darker color. If you saturate the color by 10%, you get **50.1460, 25.3964, 47.0587**, and if you desaturate by 10%, it is **54.1690, 30.6237, 57.0893**.

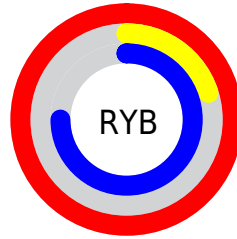
Distribution



Red (100%)

Green (20%)

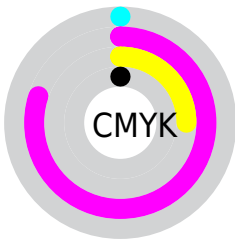
Blue (75%)



Red (100%)

Yellow (20%)

Blue (75%)

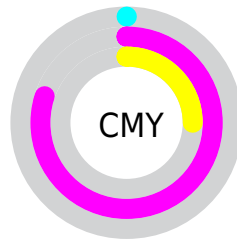


Cyan (0%)

Magenta (80%)

Yellow (25%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8278, 27.3892, 51.8452 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 51.8278, 27.3892, 51.8452 by changing the saturation by 10% instead.


 51.8278, 27.3892,
51.8452


 51.8278, 27.3892,
51.8452

384.1063,
289.5366, 410.7786


 37.0916, 17.8657,
36.5003


 92.0530, 55.5078,
94.3272


 25.4524, 10.8536,
24.5281


 118.2726, 74.8717,
122.3013

 16.5449, 5.9685,
15.5100


 149.0507, 98.2845,
155.3223

 10.0039, 2.8259,
9.0275

 184.7527,
126.1307, 193.8086

 5.4638, 1.0415,
4.6621

 225.7439,
158.7946, 238.1789

 2.5594, 0.0000,
1.9951

272.3897,

 0.9253, 0.0000,

196.6606, 288.8516

0.5523

325.0554,
240.1132, 346.2454

■ 0.0000, 0.0000,
0.0000

■ 51.8278, 27.3892,
51.8452

■ 51.8278, 27.3892,
51.8452

■ 50.1460, 25.3964,
47.0587

■ 54.1690, 30.6237,
57.0893

■ 48.9780, 24.3554,
42.6767

■ 57.2555, 35.2707,
62.8226

■ 48.9773, 24.3549,
42.6743

■ 61.1620, 41.4785,
69.0739

■ 65.9533, 49.3751,
75.8680

■ 71.6872, 59.0757,
83.2280

■ 78.4169, 70.6850,
91.1747

■ 86.1911, 84.2996,
99.7277

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.



43.0943, 27.3892, 100.2087



51.8278, 27.3892, 51.8452



52.5627, 27.3892, 18.4960

Triad

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



51.8278, 27.3892, 51.8452



21.6996, 27.3892, 1.1742



13.3726, 27.3892, 92.3124

Complementary

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



51.8278, 27.3892, 51.8452



40.2213, 73.4623, 28.2838

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.



10.3822, 27.3892, 45.0256



51.8278, 27.3892, 51.8452



14.1990, 27.3892, 3.7771

Square

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



51.8278, 27.3892, 51.8452



32.8819, 27.3892, 1.3341



10.6347, 27.3892, 15.1308



20.2074, 27.3892, 132.7526

Rectangle

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



51.8278, 27.3892, 51.8452



48.1916, 27.3892, 7.6724



10.6347, 27.3892, 15.1308



11.9838, 27.3892, 75.6787

Sweetspot

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



51.8285, 27.3905, 51.8457



75.5984, 65.7990, 87.9197



25.9434, 13.0475, 95.7588



15.6742, 13.2103, 18.2160



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.



51.8285, 27.3905, 51.8457



49.4062, 24.7036, 44.3864



44.3480, 24.3984, 12.4541



18.5358, 18.1977, 21.4389



25.6622, 12.7542, 22.6695



2.5480, 1.2616, 2.4674

Inverse Universe

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



51.8285, 27.3905, 51.8457



49.4062, 24.7036, 44.3864



49.2895, 77.0896, 76.0363



18.5358, 18.1977, 21.4389



25.6622, 12.7542, 22.6695



2.5480, 1.2616, 2.4674

Previews

White Background



This preview shows how the XYZ color 51.8278, 27.3892, 51.8452 looks on a white background.

Color Contrast Check

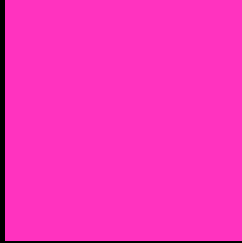
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.8278, 27.3892, 51.8452 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 51.8278, 27.3892, 51.8452

Background



This preview shows how black text looks on a background with the XYZ color 51.8278, 27.3892, 51.8452.



This preview shows how white text looks on a background with the XYZ color 51.8278, 27.3892,

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

51.8278, 27.3892, 51.8452

Protanopia

31.4024, 27.8091, 98.3203

Deuteranopia

28.0975, 27.4547, 46.9984



Tritanopia

43.6977, 27.3633, 13.1037

Trichromacy



Original Color

51.8278, 27.3892, 51.8452



Protanomaly

32.2176, 22.7311, 79.0334



Deuteranomaly

33.0703, 24.0096, 48.2387



Tritanomaly

45.7694, 26.7801, 23.1788

Monochromacy



Original Color

51.8278, 27.3892, 51.8452



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

27.5986, 20.3474, 31.7510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8278, 27.3892, 51.8452 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 191) }
```

Border

The CSS property to change the border of an element to XYZ 51.8278, 27.3892, 51.8452 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, 191) }
```


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

```
.border{ border-color:rgb(255, 51, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8278, 27.3892, 51.8452 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, 191) }
```

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

```
.background{ background-color: rgb(255, 51,  
191) }
```

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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