

Converting Colors

XYZ(52.0449, 27.4761, 52.9883)

Have a look what the booklet for
XYZ(52.0449, 27.4761, 52.9883)
contains.

XYZ(52.0495, 27.4779, 53.0125)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.0495, 27.4779,
53.0125)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33C1
RGB	255, 51, 193
RGB Percent	100%, 20%, 76%
CMY	0.0000, 0.7999, 0.2431
CMYK	0.00, 0.80, 0.24, 0.00
HSL	318°, 100%, 60%
HSV	318°, 80%, 100%
XYZ	52.0495, 27.4779, 53.0125
YIQ	128.1840, 76.0020, 87.4100

Conversions

Conversions Part 2

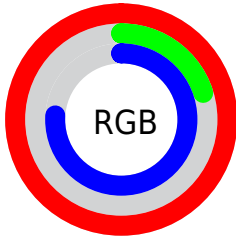
Format	Color
R_{YB}	255, 51, 193
Decimal	16724929
CIE _{Lab}	59.41, 84.01, -27.31
CIE _{LCh}	59, 88.337, 341.988
Yxy	27.4779, 0.3927, 0.2073
Android (android.graphics.Color)	4294915009 (0xFFFF33C1)
YUV	128.1840, 31.9543, 111.2176
Hunter-Lab	52.4194, 85.5066, -23.2673

Details

The XYZ color **52.0495, 27.4779, 53.0125** 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 **40.1074, 73.4168, 27.6841**, and the grayscale version is **20.4583, 21.5237, 23.4393**.

A 20% lighter version of the original color is **65.2118, 41.5951, 95.0341**, and **26.6525, 13.2015, 25.5695** is the 20% darker color. If you saturate the color by 10%, you get **50.3821, 25.4908, 48.3021**, and if you desaturate by 10%, it is **54.3734, 30.7055, 58.1658**.

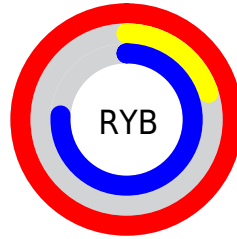
Distribution



Red (100%)

Green (20%)

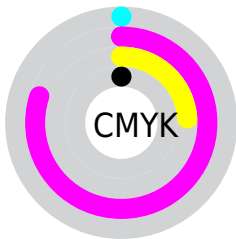
Blue (76%)



Red (100%)

Yellow (20%)

Blue (76%)

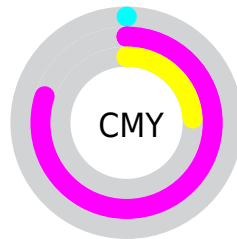


Cyan (0%)

Magenta (80%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0495, 27.4779, 53.0125 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 52.0495, 27.4779, 53.0125 by changing the saturation by 10% instead.


 52.0495, 27.4779,
53.0125

 52.0495, 27.4779,
53.0125

384.9485,
289.9636, 415.4007


 37.2690, 17.9325,
37.4250


 92.3780, 55.6498,
96.0645


 25.5904, 10.9015,
25.2383


 118.6567, 75.0450,
124.3660

 16.6486, 6.0006,
16.0341


 149.4989, 98.4924,
157.7426

 10.0780, 2.8455,
9.3936

 185.2698,
126.3761, 196.6129

 5.5134, 1.0516,
4.8985

 226.3349,
159.0807, 241.3952

 2.5893, 0.0000,
2.1301

273.0594,

 0.9405, 0.0000,

196.9906, 292.5083

0.6336

325.8089,
240.4901, 350.3706

■ 0.0000, 0.0000,
0.0000

■ 52.0495, 27.4779,
53.0125

■ 52.0495, 27.4779,
53.0125

■ 50.3821, 25.4908,
48.3021

■ 54.3734, 30.7055,
58.1658

■ 49.2259, 24.4546,
43.9821

■ 57.4398, 35.3445,
63.7932

■ 49.2252, 24.4541,
43.9797

■ 61.3233, 41.5430,
69.9232

■ 66.0886, 49.4293,
76.5803

■ 71.7935, 59.1183,
83.7871

78.4909, 70.7146,
91.5643

86.2298, 84.3151,
99.9310

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.



43.1074, 27.4779, 101.9839



52.0495, 27.4779, 53.0125



52.9719, 27.4779, 18.9559

Triad

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



52.0495, 27.4779, 53.0125



21.9392, 27.4779, 1.1292



13.2723, 27.4779, 92.0622

Complementary

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



52.0495, 27.4779, 53.0125



40.1074, 73.4168, 27.6841

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.



10.3351, 27.4779, 44.4565



52.0495, 27.4779, 53.0125



14.3055, 27.4779, 3.6293

Square

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



52.0495, 27.4779, 53.0125



33.2694, 27.4779, 1.3262



10.6504, 27.4779, 14.7470



20.0709, 27.4779, 133.4463

Rectangle

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



52.0495, 27.4779, 53.0125



48.6583, 27.4779, 7.8466



10.6504, 27.4779, 14.7470



11.9005, 27.4779, 75.2433

Sweetspot

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



52.0502, 27.4792, 53.0130



75.6856, 65.8339, 88.3791



25.9434, 13.0475, 95.7588



15.6953, 13.2188, 18.3272



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.



52.0502, 27.4792, 53.0130



49.6497, 24.8010, 45.6687



44.3480, 24.3984, 12.4541



18.5437, 18.2008, 21.4803



25.7908, 12.8056, 23.3466



2.5598, 1.2663, 2.5294

Inverse Universe

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



52.0502, 27.4792, 53.0130



49.6497, 24.8010, 45.6687



49.2895, 77.0896, 76.0363



18.5437, 18.2008, 21.4803



25.7908, 12.8056, 23.3466



2.5598, 1.2663, 2.5294

Previews

White Background



This preview shows how the XYZ color 52.0495, 27.4779, 53.0125 looks on a white background.

Color Contrast Check

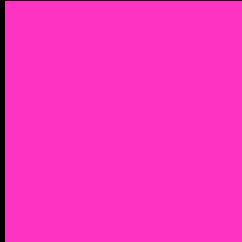
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.0495, 27.4779, 53.0125 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 52.0495, 27.4779, 53.0125

Background



This preview shows how black text looks on a background with the XYZ color 52.0495, 27.4779, 53.0125.



This preview shows how white text looks on a background with the XYZ color 52.0495, 27.4779,

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

52.0495, 27.4779, 53.0125

Protanopia

31.5479, 28.1000, 98.3688

Deuteranopia

28.2849, 27.7455, 48.1206



Tritanopia

43.6977, 27.3633, 13.1037

Trichromacy



Original Color

52.0495, 27.4779, 53.0125



Protanomaly

32.3225, 22.9409, 79.0684



Deuteranomaly

33.0479, 23.9736, 49.3399



Tritanomaly

45.8356, 26.8065, 23.5273

Monochromacy



Original Color

52.0495, 27.4779, 53.0125



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

27.6802, 20.3800, 32.1806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0495, 27.4779, 53.0125 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 193) }
```

Border

The CSS property to change the border of an element to XYZ 52.0495, 27.4779, 53.0125 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, 193) }
```


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

```
.border{ border-color:rgb(255, 51, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0495, 27.4779, 53.0125 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, 193) }
```

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

```
.background{ background-color: rgb(255, 51,  
193) }
```

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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