

Converting Colors

XYZ(52.5237, 27.6666, 55.5130)

Have a look what the booklet for
XYZ(52.5237, 27.6666, 55.5130)
contains.

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Color

**XYZ(52.5019, 27.6589,
55.3949)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33C5
RGB	255, 51, 197
RGB Percent	100%, 20%, 77%
CMY	0.0000, 0.7999, 0.2274
CMYK	0.00, 0.80, 0.23, 0.00
HSL	317°, 100%, 60%
HSV	317°, 80%, 100%
XYZ	52.5019, 27.6589, 55.3949
YIQ	128.6400, 74.7180, 88.6540

Conversions

Conversions Part 2

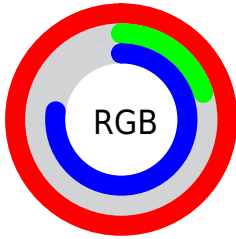
Format	Color
R_{YB}	255, 51, 197
Decimal	16724933
CIE _{Lab}	59.58, 84.48, -29.35
CIE _{LCh}	60, 89.431, 340.840
Yxy	27.6589, 0.3873, 0.2040
Android (android.graphics.Color)	4294915013 (0xFFFF33C5)
YUV	128.6400, 33.7015, 110.8177
Hunter-Lab	52.5917, 86.1596, -25.6360

Details

The XYZ color **52.5019, 27.6589, 55.3949** 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 **39.8871, 73.3287, 26.5238**, and the grayscale version is **20.6110, 21.6844, 23.6143**.

A 20% lighter version of the original color is **65.8459, 41.8487, 98.3731**, and **26.9502, 13.3206, 27.1373** is the 20% darker color. If you saturate the color by 10%, you get **50.8657, 25.6843, 50.8487**, and if you desaturate by 10%, it is **54.7893, 30.8719, 60.3558**.

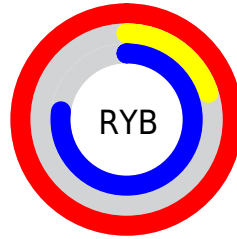
Distribution



Red (100%)

Green (20%)

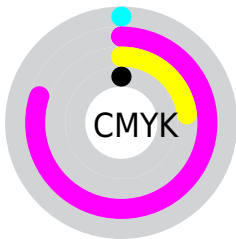
Blue (77%)



Red (100%)

Yellow (20%)

Blue (77%)

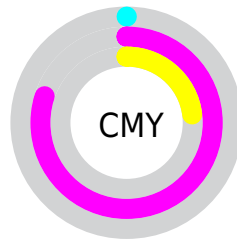


Cyan (0%)

Magenta (80%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5019, 27.6589, 55.3949 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 52.5019, 27.6589, 55.3949 by changing the saturation by 10% instead.


 52.5019, 27.6589,
55.3949

 52.5019, 27.6589,
55.3949

386.6634,
290.8334, 424.7312


 37.6312, 18.0687,
39.3172

 93.0409, 55.9394,
99.5963

 25.8725, 10.9993,
26.6969


 119.4398, 75.3985,
128.5570


 16.8604, 6.0664,
17.1153


 150.4122, 98.9160,
162.6493

 10.2297, 2.8855,
10.1539


 186.3234,
126.8763, 202.2915

 5.6150, 1.0722,
5.3942

 227.5388,
159.6638, 247.9023

 2.6508, 0.0000,
2.4176

274.4237,

 0.9719, 0.0000,

197.6629, 299.9001

0.7960

327.3434,
241.2579, 358.7036

■ 0.0000, 0.0000,
0.0000

■ 52.5019, 27.6589,
55.3949

■ 52.5019, 27.6589,
55.3949

■ 50.8657, 25.6843,
50.8487

■ 54.7893, 30.8719,
60.3558

■ 49.7354, 24.6584,
46.6653

■ 57.8137, 35.4941,
65.7621

■ 49.7348, 24.6579,
46.6629

■ 61.6497, 41.6736,
71.6413

■ 66.3616, 49.5386,
78.0175

■ 72.0073, 59.2040,
84.9127

■ 78.6396, 70.7743,
92.3468

■ 86.3073, 84.3463,
100.3385

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.



43.1411, 27.6589, 105.5972



52.5019, 27.6589, 55.3949



53.8018, 27.6589, 19.8951

Triad

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



52.5019, 27.6589, 55.3949



22.4238, 27.6589, 1.0429



13.0757, 27.6589, 91.5851

Complementary

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



52.5019, 27.6589, 55.3949



39.8871, 73.3287, 26.5238

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.



10.2427, 27.6589, 43.3468



52.5019, 27.6589, 55.3949



14.5202, 27.6589, 3.3469

Square

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



52.5019, 27.6589, 55.3949



34.0544, 27.6589, 1.3103



10.6826, 27.6589, 14.0049



19.8040, 27.6589, 134.8625

Rectangle

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



52.5019, 27.6589, 55.3949



49.6040, 27.6589, 8.2011



10.6826, 27.6589, 14.0049



11.7370, 27.6589, 74.3973

Sweetspot

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



52.5026, 27.6602, 55.3954



75.8610, 65.9041, 89.3027



25.5180, 12.8282, 95.7389



15.7378, 13.2358, 18.5508



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.



52.5026, 27.6602, 55.3954



50.1495, 25.0009, 48.3005



44.4997, 24.4591, 13.2528



18.5595, 18.2071, 21.5634



26.0549, 12.9113, 24.7374



2.5839, 1.2759, 2.6561

Inverse Universe

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



52.5026, 27.6602, 55.3954



50.1495, 25.0009, 48.3005



48.8592, 76.9175, 73.7702



18.5595, 18.2071, 21.5634



26.0549, 12.9113, 24.7374



2.5839, 1.2759, 2.6561

Previews

White Background



This preview shows how the XYZ color 52.5019, 27.6589, 55.3949 looks on a white background.

Color Contrast Check

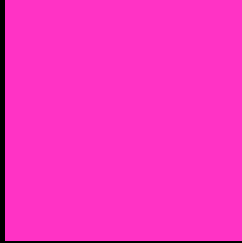
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.5019, 27.6589, 55.3949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

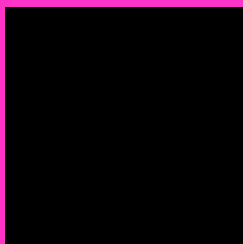
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.5019, 27.6589, 55.3949

Background



This preview shows how black text looks on a background with the XYZ color 52.5019, 27.6589, 55.3949.



This preview shows how white text looks on a background with the XYZ color 52.5019, 27.6589,

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

52.5019, 27.6589, 55.3949

Protanopia

31.6445, 28.1498, 98.3734

Deuteranopia

28.3795, 27.7458, 50.3141



Tritanopia

43.9505, 27.7271, 13.6251

Trichromacy



Original Color

52.5019, 27.6589, 55.3949



Protanomaly

32.7915, 23.1497, 80.5819



Deuteranomaly

33.2472, 24.0265, 51.6005



Tritanomaly

46.0372, 26.9948, 24.2568

Monochromacy



Original Color

52.5019, 27.6589, 55.3949



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

28.1656, 20.7544, 33.0934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5019, 27.6589, 55.3949 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 197) }
```

Border

The CSS property to change the border of an element to XYZ 52.5019, 27.6589, 55.3949 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, 197) }
```


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

```
.border{ border-color:rgb(255, 51, 197) }
```

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, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5019, 27.6589, 55.3949 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, 197) }
```

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

```
.background{ background-color: rgb(255, 51,  
197) }
```

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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