

Converting Colors

XYZ(52.5100, 27.4887, 55.9725)

Have a look what the booklet for
XYZ(52.5100, 27.4887, 55.9725)
contains.

XYZ(52.4900, 27.4511, 55.9581)	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(52.4900, 27.4511,
55.9581)**

Conversions

Conversions Part 1

Format	Color
Hex	FF30C6
RGB	255, 48, 198
RGB Percent	100%, 19%, 78%
CMY	0.0000, 0.8117, 0.2235
CMYK	0.00, 0.81, 0.22, 0.00
HSL	317°, 100%, 59%
HSV	317°, 81%, 100%
XYZ	52.4900, 27.4511, 55.9581
YIQ	126.9930, 75.2220, 90.5340

Conversions

Conversions Part 2

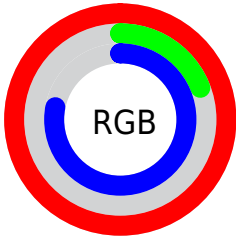
Format	Color
R _Y B	255, 48, 198
Decimal	16724166
CIE Lab	59.39, 85.26, -30.22
CIE LCh	59, 90.461, 340.485
Yxy	27.4511, 0.3862, 0.2020
Android (android.graphics.Color)	4294914246 (0xFFFF30C6)
YUV	126.9930, 35.0065, 112.2621
Hunter-Lab	52.3938, 87.1386, -26.6478

Details

The XYZ color **52.4900, 27.4511, 55.9581** 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 **39.5303, 73.1690, 25.4083**, and the grayscale version is **20.0387, 21.0822, 22.9585**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **27.0264, 13.3511, 27.5381** is the 20% darker color. If you saturate the color by 10%, you get **50.9384, 25.6144, 51.5369**, and if you desaturate by 10%, it is **54.6787, 30.5020, 60.7775**.

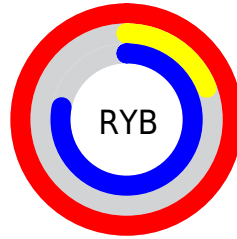
Distribution



Red (100%)

Green (19%)

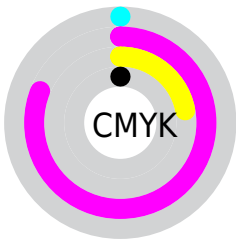
Blue (78%)



Red (100%)

Yellow (19%)

Blue (78%)

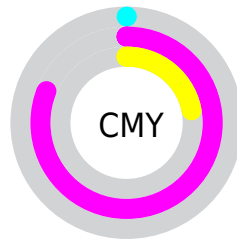


Cyan (0%)

Magenta (81%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (81%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4900, 27.4511, 55.9581 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 52.4900, 27.4511, 55.9581 by changing the saturation by 10% instead.


 52.4900, 27.4511,
55.9581


 52.4900, 27.4511,
55.9581

386.6183,
289.8347, 426.9175


 37.6216, 17.9123,
39.7656


 93.0234, 55.6069,
100.4285


 25.8650, 10.8870,
27.0434


 119.4192, 74.9927,
129.5434

 16.8549, 5.9909,
17.3731


 150.3882, 98.4296,
163.8029

 10.2257, 2.8396,
10.3361

 186.2957,
126.3020, 203.6255

 5.6123, 1.0486,
5.5139

 227.5071,
158.9943, 249.4297

 2.6492, 0.0000,
2.4878

274.3878,

 0.9711, 0.0000,

196.8909, 301.6341

0.8337

327.3031,
240.3763, 360.6571

■ 0.0000, 0.0000,
0.0000

■ 52.4900, 27.4511,
55.9581

■ 52.4900, 27.4511,
55.9581

■ 50.9384, 25.6144,
51.5369

■ 54.6787, 30.5020,
60.7775

■ 49.9735, 24.7534,
47.9200

■ 57.5926, 34.9424,
66.0261

■ 61.3075, 40.9229,
71.7318

■ 65.8886, 48.5736,
77.9187

■ 71.3944, 58.0106,
84.6086

77.8783, 69.3398,
91.8215

85.3894, 82.6586,
99.5761

93.9733, 98.0578,
107.8897

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.



42.9496, 27.4511, 106.9094



52.4900, 27.4511, 55.9581



53.9177, 27.4511, 19.9107

Triad

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



52.4900, 27.4511, 55.9581



22.3236, 27.4511, 0.9400



12.7798, 27.4511, 91.4703

Complementary

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



52.4900, 27.4511, 55.9581



39.5303, 73.1690, 25.4083

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.



9.9952, 27.4511, 42.7450



52.4900, 27.4511, 55.9581



14.3472, 27.4511, 3.1167

Square

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



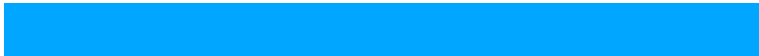
52.4900, 27.4511, 55.9581



34.0683, 27.4511, 1.2171



10.4709, 27.4511, 13.5140



19.4684, 27.4511, 135.7303

Rectangle

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



52.4900, 27.4511, 55.9581



49.7341, 27.4511, 8.0929



10.4709, 27.4511, 13.5140



11.4582, 27.4511, 74.0415

Sweetspot

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



52.4907, 27.4524, 55.9586



75.9415, 65.9363, 89.7264



24.7254, 12.2313, 95.6654



15.7573, 13.2436, 18.6535



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.



52.4907, 27.4524, 55.9586



50.2803, 25.0090, 49.1260



44.4233, 24.2255, 13.4764



18.5667, 18.2100, 21.6014



26.1786, 12.9607, 25.3887



2.5951, 1.2804, 2.7153

Inverse Universe

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



52.4907, 27.4524, 55.9586



50.2803, 25.0090, 49.1260



48.2059, 76.6393, 71.0938



18.5667, 18.2100, 21.6014



26.1786, 12.9607, 25.3887



2.5951, 1.2804, 2.7153

Previews

White Background



This preview shows how the XYZ color 52.4900, 27.4511, 55.9581 looks on a white background.

Color Contrast Check

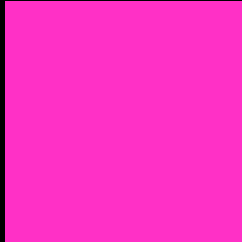
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.4900, 27.4511, 55.9581 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 52.4900, 27.4511, 55.9581

Background



This preview shows how black text looks on a background with the XYZ color 52.4900, 27.4511, 55.9581.



This preview shows how white text looks on a background with the XYZ color 52.4900, 27.4511,

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

52.4900, 27.4511, 55.9581

Protanopia

31.4526, 28.0509, 98.3644

Deuteranopia

28.2193, 27.6633, 50.3066



Tritanopia

43.4715, 27.3626, 13.3462

Trichromacy



Original Color

52.4900, 27.4511, 55.9581



Protanomaly

32.5034, 22.8455, 80.5384



Deuteranomaly

32.9121, 23.6981, 51.5547



Tritanomaly

45.5462, 26.5435, 24.1956

Monochromacy



Original Color

52.4900, 27.4511, 55.9581



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

27.5730, 20.0339, 32.5507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4900, 27.4511, 55.9581 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, 48, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 198)  
}
```

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, 48, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 198) }
```

Border

The CSS property to change the border of an element to XYZ 52.4900, 27.4511, 55.9581 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, 48, 198) }
```


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

```
.border{ border-color:rgb(255, 48, 198) }
```

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

Here you see how a box with a 4 pixel rgb(255, 48, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4900, 27.4511, 55.9581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 198) }
```

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

```
.background{ background-color: rgb(255, 48,  
198) }
```

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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