

Converting Colors

XYZ(53.8356, 29.8044, 57.4483)

Have a look what the booklet for
XYZ(53.8356, 29.8044, 57.4483)
contains.

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Color

**XYZ(53.8555, 29.8104,
57.5591)**

Conversions

Conversions Part 1

Format	Color
Hex	FF46C8
RGB	255, 70, 200
RGB Percent	100%, 27%, 78%
CMY	0.0000, 0.7254, 0.2157
CMYK	0.00, 0.73, 0.22, 0.00
HSL	318°, 100%, 64%
HSV	318°, 73%, 100%
XYZ	53.8555, 29.8104, 57.5591
YIQ	140.1350, 68.5300, 79.6500

Conversions

Conversions Part 2

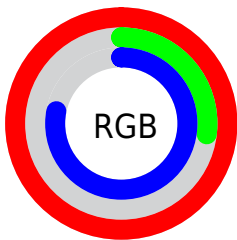
Format	Color
R_{YB}	255, 70, 200
Decimal	16729800
CIE _{Lab}	61.49, 79.74, -28.11
CIE _{LCh}	61, 84.546, 340.580
Yxy	29.8104, 0.3813, 0.2111
Android (android.graphics.Color)	4294919880 (0xFFFF46C8)
YUV	140.1350, 29.5134, 100.7366
Hunter-Lab	54.5989, 80.5215, -24.2853

Details

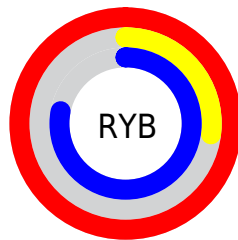
The XYZ color **53.8555, 29.8104, 57.5591** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **41.9889, 74.3034, 31.5344**, and the grayscale version is **24.8518, 26.1460, 28.4730**.

A 20% lighter version of the original color is **67.6775, 45.2551, 99.7758**, and **27.4364, 13.5447, 28.3624** is the 20% darker color. If you saturate the color by 10%, you get **51.7208, 26.9240, 52.5839**, and if you desaturate by 10%, it is **56.7121, 34.0702, 62.9924**.

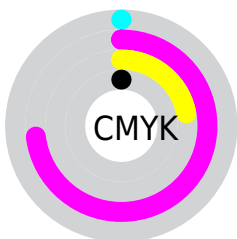
Distribution



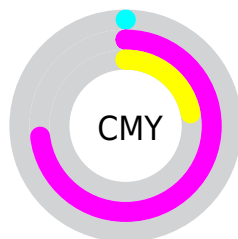
- Red (100%)
- Green (27%)
- Blue (78%)



- Red (100%)
- Yellow (27%)
- Blue (78%)



- Cyan (0%)
- Magenta (73%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (73%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8555, 29.8104, 57.5591 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 53.8555, 29.8104, 57.5591 by changing the saturation by 10% instead.


 53.8555, 29.8104,
57.5591

 53.8555, 29.8104,
57.5591

391.7661,
301.0197, 433.0933


 38.7164, 19.6947,
41.0419


 95.0202, 59.3622,
102.7890


 26.7189, 12.1733,
28.0319


 121.7764, 79.5671,
132.3387

 17.4977, 6.8618,
18.1105


 153.1358,
103.9039, 167.0698

 10.6875, 3.3758,
10.8591

 189.4635,
132.7570, 207.4007

 5.9228, 1.3310,
5.8592

231.1251,
166.5107, 253.7499

 2.8384, 0.1650,
2.6922

278.4858,

 1.0689, 0.0000,

205.5494, 306.5361

0.9395

331.9110,
250.2576, 366.1777

■ 0.0000, 0.0000,
0.0000

■ 53.8555, 29.8104,
57.5591

■ 53.8555, 29.8104,
57.5591

■ 51.7208, 26.9240,
52.5839

■ 56.7121, 34.0702,
62.9924

■ 50.2129, 25.2220,
48.0310


■ 60.3654, 39.8520,
68.9107


■ 49.3955, 24.5222,
44.8761

■ 64.8827, 47.2895,
75.3399

■ 70.3233, 56.5006,
82.3026

■ 76.7415, 67.5924,
89.8198

 84.1867, 80.6635,
97.9108

 92.7055, 95.8055,
106.5937

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.



44.7616, 29.8104, 105.3551



53.8555, 29.8104, 57.5591



55.1832, 29.8104, 22.4078

Triad

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



53.8555, 29.8104, 57.5591



24.5640, 29.8104, 1.7524



14.9328, 29.8104, 91.3087

Complementary

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



53.8555, 29.8104, 57.5591



41.9889, 74.3034, 31.5344

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.



12.0098, 29.8104, 45.1385



53.8555, 29.8104, 57.5591



16.5156, 29.8104, 4.5477

Square

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



53.8555, 29.8104, 57.5591



36.1066, 29.8104, 2.1274



12.5006, 29.8104, 15.9790



21.7653, 29.8104, 132.1563

Rectangle

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



53.8555, 29.8104, 57.5591



51.1872, 29.8104, 10.1188



12.5006, 29.8104, 15.9790



13.5538, 29.8104, 74.9833

Sweetspot

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



53.8562, 29.8118, 57.5596



77.1202, 68.2528, 90.2457



28.3271, 15.7703, 96.1587



16.1099, 13.9179, 18.8662



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.



53.8562, 29.8118, 57.5596



50.9778, 26.0320, 50.5056



46.2503, 26.7694, 17.5074



18.5490, 18.2029, 21.5084



25.8791, 12.8409, 23.8114



2.5679, 1.2695, 2.5718

Inverse Universe

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



53.8562, 29.8118, 57.5596



50.9778, 26.0320, 50.5056



50.5419, 77.7246, 76.5739



18.5490, 18.2029, 21.5084



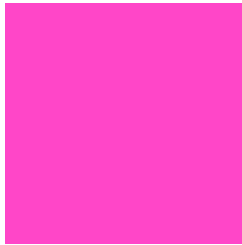
25.8791, 12.8409, 23.8114



2.5679, 1.2695, 2.5718

Previews

White Background



This preview shows how the XYZ color 53.8555, 29.8104, 57.5591 looks on a white background.

Color Contrast Check

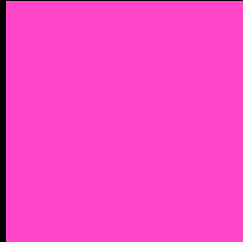
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.8555, 29.8104, 57.5591 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 53.8555, 29.8104, 57.5591

Background



This preview shows how black text looks on a background with the XYZ color 53.8555, 29.8104, 57.5591.



This preview shows how white text looks on a background with the XYZ color 53.8555, 29.8104,

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

53.8555, 29.8104, 57.5591

Protanopia

33.5422, 30.2375, 98.6763

Deuteranopia

30.6195, 29.9827, 52.3175



Tritanopia

45.3694, 29.7178, 16.7095

Trichromacy



Original Color

53.8555, 29.8104, 57.5591



Protanomaly

35.3785, 26.1231, 81.7749



Deuteranomaly

35.6325, 26.8744, 53.7613



Tritanomaly

47.6477, 29.1969, 27.9352

Monochromacy



Original Color

53.8555, 29.8104, 57.5591



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

31.9437, 24.8152, 37.2886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8555, 29.8104, 57.5591 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, 70, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 200)  
}
```

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, 70, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 200) }
```

Border

The CSS property to change the border of an element to XYZ 53.8555, 29.8104, 57.5591 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, 70, 200) }
```


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

```
.border{ border-color:rgb(255, 70, 200) }
```

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

Here you see how a box with a 4 pixel rgb(255, 70, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8555, 29.8104, 57.5591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 200) }
```

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

```
.background{ background-color: rgb(255, 70,  
200) }
```

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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