

# Converting Colors

XYZ(129.4644, 70.4410,  
56.5858)

Have a look what the booklet for  
XYZ(129.4644, 70.4410, 56.5858)  
contains.

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# Color

**XYZ(54.0029, 31.5628,  
53.1151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF55C0
RGB	255, 85, 192
RGB Percent	100%, 33%, 75%
CMY	0.0000, 0.6666, 0.2471
CMYK	0.00, 0.67, 0.25, 0.00
HSL	322°, 100%, 67%
HSV	322°, 67%, 100%
XYZ	54.0029, 31.5628, 53.1151
YIQ	148.0280, 66.9730, 69.3170

# Conversions

## Conversions Part 2

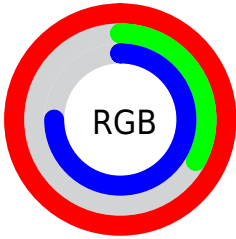
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 85, 192
Decimal	16733632
CIE Lab	62.98, 73.69, -21.27
CIE LCh	63, 76.700, 343.902
Yxy	31.5628, 0.3894, 0.2276
Android (android.graphics.Color)	4294923712 (0xFFFF55C0)
YUV	148.0280, 21.6782, 93.8144
Hunter-Lab	56.1808, 73.2640, -16.7281

# Details

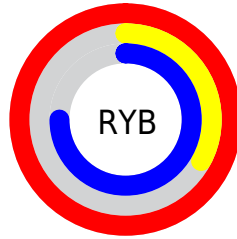
The XYZ color **54.0029, 31.5628, 53.1151** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **44.8533, 75.5902, 40.2473**, and the grayscale version is **28.0546, 29.5156, 32.1425**.

A 20% lighter version of the original color is **68.4643, 48.3504, 95.3466**, and **26.8356, 13.3043, 25.1984** is the 20% darker color. If you saturate the color by 10%, you get **51.3308, 27.8408, 47.2229**, and if you desaturate by 10%, it is **57.4669, 36.7605, 59.6035**.

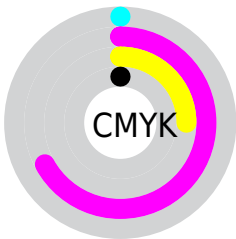
# Distribution



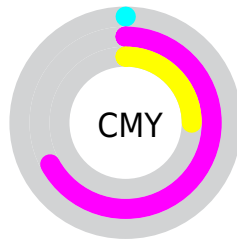
- Red (100%)
- Green (33%)
- Blue (75%)



- Red (100%)
- Yellow (33%)
- Blue (75%)



- Cyan (0%)
- Magenta (67%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (67%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.0029, 31.5628, 53.1151 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 54.0029, 31.5628, 53.1151 by changing the saturation by 10% instead.





 54.0029, 31.5628,  
53.1151


 54.0029, 31.5628,  
53.1151

392.3192,  
309.1228, 415.8054


 38.8347, 21.0278,  
37.5063

 95.2354, 62.1251,  
96.2170


 26.8113, 13.1443,  
25.3009


 122.0303, 82.9211,  
124.5471

 17.5674, 7.5280,  
16.0803


 153.4315,  
107.9063, 157.9548

 10.7376, 3.7944,  
9.4260

 189.8044,  
137.4650, 196.8586

 5.9567, 1.5593,  
4.9195

231.5142,  
171.9816, 241.6770

 2.8592, 0.3299,  
2.1422

278.9264,

 1.0797, 0.0000,

211.8405, 292.8286

0.6407

332.4063,  
257.4261, 350.7319

■ 0.0081, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.0029, 31.5628,  
53.1151

■ 54.0029, 31.5628,  
53.1151

■ 51.3308, 27.8408,  
47.2229

■ 57.4669, 36.7605,  
59.6035

■ 49.3648, 25.4256,  
41.8915

■ 61.7911, 43.5693,  
66.7162

■ 48.0015, 24.1124,  
37.0802

■ 67.0391, 52.1143,  
74.4805

■ 47.6286, 23.8154,  
35.5718

■ 73.2676, 62.5070,  
82.9209

■ 80.5286, 74.8493,  
92.0604

■ 88.8701, 89.2359,  
101.9205

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.



46.3711, 31.5628, 95.4882



54.0029, 31.5628, 53.1151



54.3012, 31.5628, 22.2174

# Triad

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



54.0029, 31.5628, 53.1151



25.3868, 31.5628, 3.1997



17.6327, 31.5628, 92.4103

# Complementary

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



54.0029, 31.5628, 53.1151



44.8533, 75.5902, 40.2473

# 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.



14.3074, 31.5628, 50.2918



54.0029, 31.5628, 53.1151



18.0213, 31.5628, 7.2083

# Square

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



54.0029, 31.5628, 53.1151



35.9807, 31.5628, 3.3196



14.4305, 31.5628, 20.6479



24.7209, 31.5628, 125.8025



# Rectangle

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



54.0029, 31.5628, 53.1151



50.1727, 31.5628, 11.0863



14.4305, 31.5628, 20.6479



16.1207, 31.5628, 77.9989

# Sweetspot

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



54.0038, 31.5644, 53.1157



77.9876, 70.5076, 88.9313



33.3929, 19.9531, 96.6991



16.2542, 14.3461, 18.4840



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.



54.0038, 31.5644, 53.1157



50.6006, 26.8984, 45.3831



47.1788, 28.8344, 17.1759



18.4904, 18.1795, 21.1995



24.9615, 12.4739, 18.9798



2.4832, 1.2357, 2.1262



# Inverse Universe

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



54.0038, 31.5644, 53.1157



50.6006, 26.8984, 45.3831



54.1203, 79.2970, 89.0468



18.4904, 18.1795, 21.1995



24.9615, 12.4739, 18.9798



2.4832, 1.2357, 2.1262



# Previews

## White Background



This preview shows how the XYZ color 54.0029, 31.5628, 53.1151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

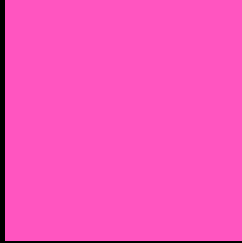
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.0029, 31.5628, 53.1151 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 ✓ Pass

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

# XYZ 54.0029, 31.5628, 53.1151

## Background



This preview shows how black text looks on a background with the XYZ color 54.0029, 31.5628, 53.1151.



This preview shows how white text looks on a background with the XYZ color 54.0029, 31.5628,



# 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

54.0029, 31.5628, 53.1151

### Protanopia

34.3913, 32.0855, 87.5996

### Deuteranopia

32.4316, 31.6861, 49.2064



## Tritanopia

46.8461, 31.4568, 19.2255

# Trichromacy



## Original Color

54.0029, 31.5628, 53.1151



## Protanomaly

36.9286, 28.5743, 73.3811



## Deuteranomaly

37.5590, 29.4140, 50.1523



## Tritanomaly

49.0338, 31.1976, 29.0286

# Monochromacy



## Original Color

54.0029, 31.5628, 53.1151



## Achromatopsia

28.1479, 29.6138, 32.2495



## Achromatomaly

34.5280, 27.9124, 38.6898

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.0029, 31.5628, 53.1151 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, 85, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 192)  
}
```

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, 85, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 54.0029, 31.5628, 53.1151 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, 85, 192) }
```



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

```
.border{ border-color:rgb(255, 85, 192) }
```

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

Here you see how a box with a 4 pixel rgb(255, 85, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.0029, 31.5628, 53.1151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 192) }
```

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

```
.background{ background-color: rgb(255, 85,  
192) }
```

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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