

Converting Colors

XYZ(51.4624, 30.8978, 44.8010)

Have a look what the booklet for
XYZ(51.4624, 30.8978, 44.8010)
contains.

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Color

**XYZ(51.6531, 31.0145,
44.8590)**

Conversions

Conversions Part 1

Format	Color
Hex	FC59B1
RGB	252, 89, 177
RGB Percent	99%, 35%, 69%
CMY	0.0118, 0.6509, 0.3059
CMYK	0.00, 0.65, 0.30, 0.01
HSL	328°, 96%, 67%
HSV	328°, 65%, 99%
XYZ	51.6531, 31.0145, 44.8590
YIQ	147.7690, 68.9000, 61.9240

Conversions

Conversions Part 2

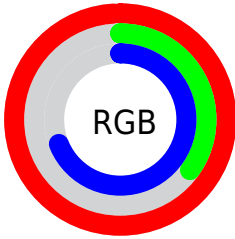
Format	Color
RYB	252, 89, 177
Decimal	16538033
CIELab	62.52, 69.58, -13.44
CIELCh	63, 70.866, 349.067
Yxy	31.0145, 0.4050, 0.2432
Android (android.graphics.Color)	4294728113 (0xFFFC59B1)
YUV	147.7690, 14.4109, 91.4106
Hunter-Lab	55.6907, 68.1001, -8.7748

Details

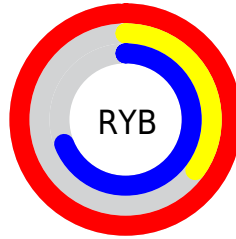
The XYZ color **51.6531, 31.0145, 44.8590** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **45.6328, 74.4260, 47.0866**, and the grayscale version is **27.9754, 29.4323, 32.0518**.

A 20% lighter version of the original color is **66.5379, 48.3230, 82.9111**, and **25.2554, 12.7945, 20.2073** is the 20% darker color. If you saturate the color by 10%, you get **48.7961, 27.0722, 38.4445**, and if you desaturate by 10%, it is **55.3275, 36.4340, 52.0311**.

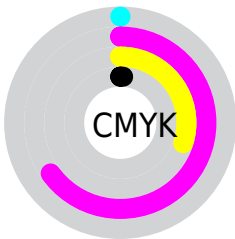
Distribution



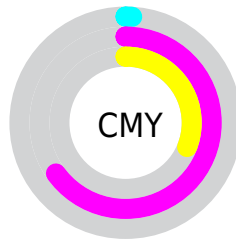
- Red (99%)
- Green (35%)
- Blue (69%)



- Red (99%)
- Yellow (35%)
- Blue (69%)



- Cyan (0%)
- Magenta (65%)
- Yellow (30%)
- Black (1%)





- Cyan (1%)
- Magenta (65%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6531, 31.0145, 44.8590 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 51.6531, 31.0145, 44.8590 by changing the saturation by 10% instead.


 51.6531, 31.0145,
44.8590

 51.6531, 31.0145,
44.8590

383.4419,
306.6051, 382.3457


 36.9518, 20.6099,
31.0042


 91.7967, 61.2629,
83.8250


 25.3437, 12.8391,
20.3436


 117.9697, 81.8755,
109.7733

 16.4634, 7.3179,
12.4585


 148.6973,
106.6595, 140.5899

 9.9456, 3.6617,
6.9304

 184.3449,
135.9994, 176.6933

 5.4249, 1.4862,
3.3408

225.2778,
170.2795, 218.5020

 2.5359, 0.2790,
1.2712

271.8613,

 0.9134, 0.0000,

209.8842, 266.4346

0.0380

324.4609,
255.1979, 320.9097

■ 0.0000, 0.0000,
0.0000

■ 51.6531, 31.0145,
44.8590

■ 51.6531, 31.0145,
44.8590

■ 48.7961, 27.0722,
38.4445

■ 55.3275, 36.4340,
52.0311

■ 46.6746, 24.4477,
32.7475

■ 59.8848, 43.4585,
59.9934


■ 45.1928, 22.9533,
27.7239

■ 65.3866, 52.2077,
68.7779

■ 44.5921, 22.4743,
25.2965

■ 71.8882, 62.7882,
78.4138

■ 79.4402, 75.2980,
88.9284

 88.0896, 89.8281,
100.3477

 93.9550, 99.4355,
108.8488

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.7971, 31.0145, 81.7926



51.6531, 31.0145, 44.8590



50.6713, 31.0145, 19.2391

Triad

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



51.6531, 31.0145, 44.8590



23.8336, 31.0145, 4.3557



18.9347, 31.0145, 91.7658

Complementary

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



51.6531, 31.0145, 44.8590



45.6328, 74.4260, 47.0866

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.



15.2122, 31.0145, 54.2248



51.6531, 31.0145, 44.8590



17.5854, 31.0145, 9.5786

Square

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



51.6531, 31.0145, 44.8590



33.1316, 31.0145, 3.8774



14.7790, 31.0145, 24.6771



26.1040, 31.0145, 117.1843

Rectangle

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



51.6531, 31.0145, 44.8590



46.3190, 31.0145, 10.1611



14.7790, 31.0145, 24.6771



17.3122, 31.0145, 79.4298

Sweetspot

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



51.6540, 31.0161, 44.8596



78.1100, 71.5343, 86.5614



36.1164, 21.8932, 94.4180



16.2488, 14.5337, 17.8703



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.



51.6540, 31.0161, 44.8596



49.3127, 26.7595, 37.4409



45.8832, 28.7078, 14.4709



17.6365, 17.3820, 19.9415



23.3038, 11.7372, 13.5740



2.2119, 1.1085, 1.5391

Inverse Universe

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



51.6540, 31.0161, 44.8596



49.3127, 26.7595, 37.4409



55.2377, 78.2679, 97.6651



17.6365, 17.3820, 19.9415



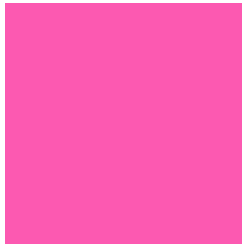
23.3038, 11.7372, 13.5740



2.2119, 1.1085, 1.5391

Previews

White Background



This preview shows how the XYZ color 51.6531, 31.0145, 44.8590 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 51.6531, 31.0145, 44.8590 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 51.6531, 31.0145, 44.8590

Background



This preview shows how black text looks on a background with the XYZ color 51.6531, 31.0145, 44.8590.



This preview shows how white text looks on a background with the XYZ color 51.6531, 31.0145,

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

51.6531, 31.0145, 44.8590

Protanopia

32.5869, 31.2765, 71.3373

Deuteranopia

31.6022, 30.9637, 41.3568



Tritanopia

46.3340, 31.0472, 18.8799

Trichromacy



Original Color

51.6531, 31.0145, 44.8590



Protanomaly

35.9440, 28.5370, 60.7405



Deuteranomaly

36.5498, 29.0685, 42.2125



Tritanomaly

47.9727, 30.8410, 26.7170

Monochromacy



Original Color

51.6531, 31.0145, 44.8590



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

34.0971, 28.1211, 36.4317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6531, 31.0145, 44.8590 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(252, 89, 177)` looks like.

```
.text, #text, p{  
    color:rgb(252, 89, 177)  
}
```

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(252, 89, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 89, 177) }
```

Border

The CSS property to change the border of an element to XYZ 51.6531, 31.0145, 44.8590 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(252, 89, 177) }
```


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

```
.border{ border-color:rgb(252, 89, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 89, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 89, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 89, 177);  
box-shadow:4px 4px 4px 4px rgb(252, 89,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6531, 31.0145, 44.8590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 89, 177) }
```

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

```
.background{ background-color: rgb(252, 89,  
177) }
```

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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