

Converting Colors

XYZ(49.5166, 31.8392, 50.5495)

Have a look what the booklet for
XYZ(49.5166, 31.8392, 50.5495)
contains.

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Color

**XYZ(49.5166, 31.8392,
50.5495)**

Conversions

Conversions Part 1

Format	Color
Hex	EF68BB
RGB	239, 104, 187
RGB Percent	94%, 41%, 73%
CMY	0.0627, 0.5921, 0.2667
CMYK	0.00, 0.56, 0.22, 0.06
HSL	323°, 81%, 67%
HSV	323°, 56%, 94%
XYZ	49.5166, 31.8392, 50.5495
YIQ	153.8270, 53.8170, 54.4330

Conversions

Conversions Part 2

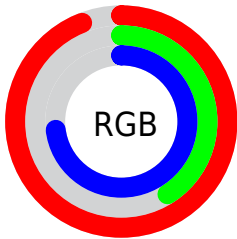
Format	Color
R _Y B	239, 104, 187
Decimal	15689915
CIE Lab	63.21, 60.90, -18.29
CIE LCh	63, 63.590, 343.280
Yxy	31.8392, 0.3754, 0.2414
Android (android.graphics.Color)	4293879995 (0xFFEF68BB)
YUV	153.8270, 16.3543, 74.6967
Hunter-Lab	56.4262, 57.8960, -13.6166

Details

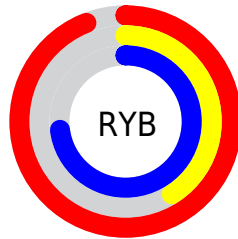
The XYZ color **49.5166, 31.8392, 50.5495** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **42.5778, 67.0774, 42.1588**, and the grayscale version is **30.5546, 32.1458, 35.0068**.

A 20% lighter version of the original color is **69.9885, 52.8727, 91.3107**, and **24.0639, 13.3013, 23.8534** is the 20% darker color. If you saturate the color by 10%, you get **46.4886, 27.3099, 44.8324**, and if you desaturate by 10%, it is **53.2913, 37.7599, 56.8278**.

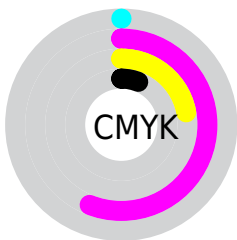
Distribution



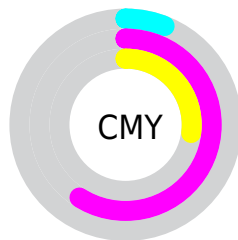
- Red (94%)
- Green (41%)
- Blue (73%)



- Red (94%)
- Yellow (41%)
- Blue (73%)



- Cyan (0%)
- Magenta (56%)
- Yellow (22%)
- Black (6%)





- Cyan (6%)
- Magenta (59%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5166, 31.8392, 50.5495 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 49.5166, 31.8392, 50.5495 by changing the saturation by 10% instead.


 49.5166, 31.8392,
50.5495


 49.5166, 31.8392,
50.5495


375.2558,
310.3861, 405.6074


 35.2457, 21.2387,
35.4760


 88.6544, 62.5589,
92.3932


 24.0196, 13.2986,
23.7433


 114.2519, 83.4469,
120.0004

 15.4730, 7.6345,
14.9329


 144.3557,
108.5329, 152.6226

 9.2405, 3.8620,
8.6262

 179.3311,
138.2013, 190.6784

 4.9567, 1.5967,
4.4047

219.5434,
172.8364, 234.5862

 2.2564, 0.3553,
1.8499

265.3581,

 0.7722, 0.0000,

212.8226, 284.7646

0.4606

317.1405,
258.5444, 341.6322

■ 0.0000, 0.0000,
0.0000

■ 49.5166, 31.8392,
50.5495

■ 49.5166, 31.8392,
50.5495

■ 46.4886, 27.3099,
44.8324

■ 53.2913, 37.7599,
56.8278

■ 44.1439, 24.0484,
39.6488

■ 57.8632, 45.1725,
63.6891

■ 42.4128, 21.9169,
34.9697

■ 63.2818, 54.1736,
71.1554

■ 41.2072, 20.7410,
30.7597

■ 69.5913, 64.8501,
79.2470

■ 40.8583, 20.4554,
29.3726

■ 76.8329, 77.2828,
87.9828

■ 85.0453, 91.5470,
97.3807

■ 88.8397, 96.8640,
105.6496

■ 89.4068, 97.0908,
108.6359

Harmonies

Analogous

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



43.3974, 31.8392, 83.2236



49.5166, 31.8392, 50.5495



49.8824, 31.8392, 24.6912

Triad

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



49.5166, 31.8392, 50.5495



26.5420, 31.8392, 5.6685



19.5459, 31.8392, 79.5914

Complementary

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



49.5166, 31.8392, 50.5495



42.5778, 67.0774, 42.1588

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.



16.6082, 31.8392, 47.0231



49.5166, 31.8392, 50.5495



20.0873, 31.8392, 10.0129

Square

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



49.5166, 31.8392, 50.5495



35.3923, 31.8392, 5.8966



16.7850, 31.8392, 22.5182



25.6535, 31.8392, 104.8021

Rectangle

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



49.5166, 31.8392, 50.5495



46.7134, 31.8392, 14.3060



16.7850, 31.8392, 22.5182



18.2131, 31.8392, 68.6074

Sweetspot

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



49.5176, 31.8408, 50.5501



80.1730, 74.3629, 91.2492



34.1940, 23.1775, 84.3334



16.8293, 15.3536, 19.1157



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.



49.5176, 31.8408, 50.5501



53.3265, 30.8742, 50.8420



43.9233, 29.6030, 21.0908



16.1812, 15.9222, 18.5106



22.6452, 11.3305, 16.5799



1.9323, 0.9620, 1.6345

Inverse Universe

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



49.5176, 31.8408, 50.5501



53.3265, 30.8742, 50.8420



49.9297, 70.0182, 80.8732



16.1812, 15.9222, 18.5106



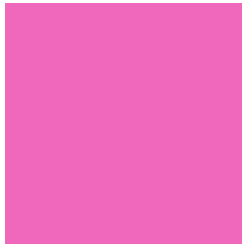
22.6452, 11.3305, 16.5799



1.9323, 0.9620, 1.6345

Previews

White Background



This preview shows how the XYZ color 49.5166, 31.8392, 50.5495 looks on a white background.

Color Contrast Check

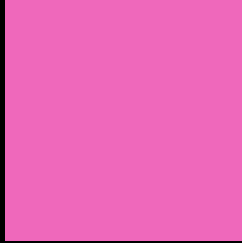
Large Text (above 18pt) WCAG AA × Fail

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 49.5166, 31.8392, 50.5495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

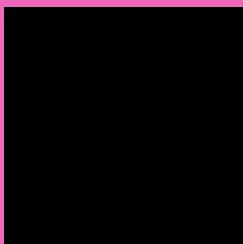
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5166, 31.8392, 50.5495

Background



This preview shows how black text looks on a background with the XYZ color 49.5166, 31.8392, 50.5495.



This preview shows how white text looks on a background with the XYZ color 49.5166, 31.8392,

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

49.5166, 31.8392, 50.5495

Protanopia

33.4778, 32.1790, 72.8533

Deuteranopia

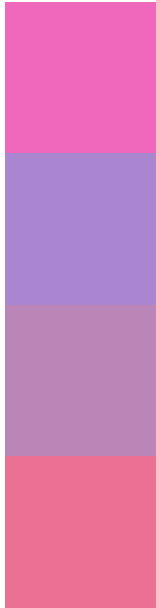
32.8549, 32.1759, 47.6589



Tritanopia

43.8486, 31.7869, 23.5631

Trichromacy



Original Color

49.5166, 31.8392, 50.5495

Protanomaly

36.6113, 30.1997, 64.2211

Deuteranomaly

37.1845, 30.6331, 48.7527

Tritanomaly

45.5114, 31.6105, 31.7197

Monochromacy



Original Color

49.5166, 31.8392, 50.5495

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.6947, 30.6758, 40.1161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5166, 31.8392, 50.5495 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(239, 104, 187)` looks like.

```
.text, #text, p{  
    color:rgb(239, 104, 187)  
}
```

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(239, 104, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 104, 187) }
```

Border

The CSS property to change the border of an element to XYZ 49.5166, 31.8392, 50.5495 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(239, 104, 187) }
```


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

```
.border{ border-color:rgb(239, 104, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 104, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 104, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 104, 187);  
box-shadow:4px 4px 4px 4px rgb(239, 104,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5166, 31.8392, 50.5495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 104, 187) }
```

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

```
.background{ background-color: rgb(239,  
104, 187) }
```

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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