

Converting Colors

XYZ(59.8668, 37.0109, 25.9592)

Have a look what the booklet for
XYZ(59.8668, 37.0109, 25.9592)
contains.

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Color

**XYZ(49.8667, 31.8496,
25.3491)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6384
RGB	255, 99, 132
RGB Percent	100%, 39%, 52%
CMY	0.0000, 0.6117, 0.4824
CMYK	0.00, 0.61, 0.48, 0.00
HSL	347°, 100%, 69%
HSV	347°, 61%, 100%
XYZ	49.8667, 31.8496, 25.3491
YIQ	149.4060, 82.3830, 43.3350

Conversions

Conversions Part 2

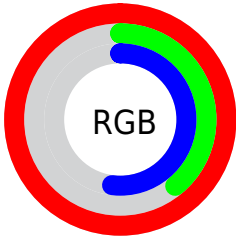
Format	Color
RYB	255, 99, 132
Decimal	16737156
CIELab	63.22, 61.81, 13.55
CIELCh	63, 63.277, 12.363
Yxy	31.8496, 0.4658, 0.2975
Android (android.graphics.Color)	4294927236 (0xFFFF6384)
YUV	149.4060, -8.5812, 92.6059
Hunter-Lab	56.4354, 58.9616, 12.8735

Details

The XYZ color **49.8667, 31.8496, 25.3491** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **54.0924, 79.4474, 81.5970**, and the grayscale version is **28.7501, 30.2474, 32.9394**.

A 20% lighter version of the original color is **61.8854, 48.5397, 52.0063**, and **24.2152, 13.2851, 9.4716** is the 20% darker color. If you saturate the color by 10%, you get **46.5748, 27.2597, 18.1052**, and if you desaturate by 10%, it is **54.1878, 38.0737, 34.2449**.

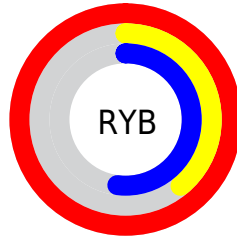
Distribution



Red (100%)

Green (39%)

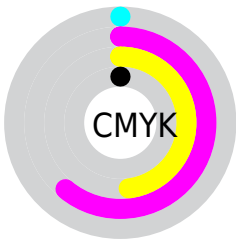
Blue (52%)



Red (100%)

Yellow (39%)

Blue (52%)

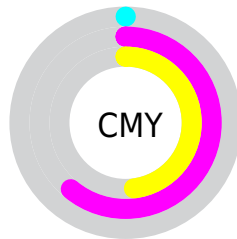


Cyan (0%)

Magenta (61%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8667, 31.8496, 25.3491 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 49.8667, 31.8496, 25.3491 by changing the saturation by 10% instead.


 49.8667, 31.8496,
25.3491


 49.8667, 31.8496,
25.3491

376.6050,
310.4336, 293.0752

 35.5249, 21.2466,
16.1160


 89.1703, 62.5752,
53.1941


 24.2359, 13.3044,
9.4510


 114.8629, 83.4667,
72.6431

 15.6344, 7.6385,
4.9357


 145.0696,
108.5565, 96.3344

 9.3550, 3.8645,
2.1515

 180.1561,
138.2289, 124.6866

 5.0324, 1.5981,
0.6462

220.4874,
172.8685, 158.1183

 2.3012, 0.3563,
0.0000

266.4292,

 0.7953, 0.0000,

212.8595, 197.0479

0.0000

318.3466,
258.5864, 241.8940

■ 0.0000, 0.0000,
0.0000

■ 49.8667, 31.8496,
25.3491

■ 49.8667, 31.8496,
25.3491

■ 46.5748, 27.2597,
18.1052

■ 54.1878, 38.0737,
34.2449

■ 44.2197, 24.1436,
12.4060

■ 59.6147, 46.0624,
44.8866

■ 42.6959, 22.3171,
8.1336

■ 66.2192, 55.9385,
57.3630

■ 41.9041, 21.5256,
5.4279

■ 74.0664, 67.8126,
71.7562

■ 83.2165, 81.7866,
88.1432

93.7257, 97.9555,
106.5968

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



49.3097, 31.8496, 51.4281



49.8667, 31.8496, 25.3491



44.4877, 31.8496, 11.2850

Triad

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



49.8667, 31.8496, 25.3491



20.2890, 31.8496, 9.8654



25.4539, 31.8496, 103.8761

Complementary

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



49.8667, 31.8496, 25.3491



54.0924, 79.4474, 81.5970

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.



19.4619, 31.8496, 78.3497



49.8667, 31.8496, 25.3491



16.8993, 31.8496, 22.0293

Square

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



49.8667, 31.8496, 25.3491



26.8099, 31.8496, 5.6901



16.6290, 31.8496, 46.0557



34.0202, 31.8496, 106.2797

Rectangle

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



49.8667, 31.8496, 25.3491



38.7691, 31.8496, 7.1069



16.6290, 31.8496, 46.0557



23.1172, 31.8496, 97.3005

Sweetspot

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



49.8675, 31.8513, 25.3496



76.8259, 72.0144, 76.7362



52.3929, 31.5493, 97.9357



15.9012, 14.5875, 15.4455



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.



49.8675, 31.8513, 25.3496



46.0774, 26.5852, 16.9518



53.3460, 41.8680, 17.0764



18.1665, 18.0499, 19.4941



21.9395, 11.2651, 3.0658



2.1739, 1.1119, 0.4974

Inverse Universe

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



49.8675, 31.8513, 25.3496



46.0774, 26.5852, 16.9518



46.4418, 56.3636, 103.0390



18.1665, 18.0499, 19.4941



21.9395, 11.2651, 3.0658



2.1739, 1.1119, 0.4974

Previews

White Background



This preview shows how the XYZ color 49.8667, 31.8496, 25.3491 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 49.8667, 31.8496, 25.3491 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 49.8667, 31.8496, 25.3491

Background



This preview shows how black text looks on a background with the XYZ color 49.8667, 31.8496, 25.3491.



This preview shows how white text looks on a background with the XYZ color 49.8667, 31.8496,

25.3491.

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

49.8667, 31.8496, 25.3491

Protanopia

30.8998, 31.8646, 37.7796

Deuteranopia

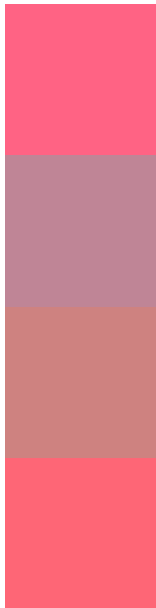
32.4955, 31.8131, 23.8299



Tritanopia

48.5378, 31.8971, 18.3504

Trichromacy



Original Color

49.8667, 31.8496, 25.3491

Protanomaly

35.3784, 30.0534, 32.7904

Deuteranomaly

37.3325, 30.6456, 24.3696

Tritanomaly

48.8944, 31.8816, 20.7163

Monochromacy



Original Color

49.8667, 31.8496, 25.3491

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

33.8133, 28.9071, 29.7841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8667, 31.8496, 25.3491 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, 99, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 132)  
}
```

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, 99, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 132) }
```

Border

The CSS property to change the border of an element to XYZ 49.8667, 31.8496, 25.3491 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, 99, 132) }
```


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

```
.border{ border-color:rgb(255, 99, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8667, 31.8496, 25.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 132) }
```

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

```
.background{ background-color: rgb(255, 99,  
132) }
```

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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