

# Converting Colors

XYZ(64.2216, 60.0124, 31.8205)

Have a look what the booklet for  
XYZ(64.2216, 60.0124, 31.8205)  
contains.

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# Color

**XYZ(64.1688, 59.8931,  
31.8454)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBE89
RGB	255, 190, 137
RGB Percent	100%, 75%, 54%
CMY	0.0000, 0.2549, 0.4627
CMYK	0.00, 0.25, 0.46, 0.00
HSL	27°, 100%, 77%
HSV	27°, 46%, 100%
XYZ	64.1688, 59.8931, 31.8454
YIQ	203.3930, 55.7530, -2.7030

# Conversions

## Conversions Part 2

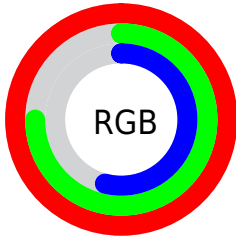
Format	Color
<a href="#">RYB</a>	<a href="#">255, 233, 137</a>
Decimal	<a href="#">16760457</a>
CIELab	<a href="#">81.78, 17.16, 35.83</a>
CIElCh	<a href="#">82, 39.728, 64.402</a>
Yxy	<a href="#">59.8931, 0.4116, 0.3842</a>
Android (android.graphics.Color)	<a href="#">4294950537</a> (0xFFFFBE89)
YUV	<a href="#">203.3930, -32.7317, 45.2593</a>
Hunter-Lab	<a href="#">77.3906, 12.5705, 29.7763</a>

# Details

The XYZ color **64.1688, 59.8931, 31.8454** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.4861, 54.7771, 102.5722**, and the grayscale version is **57.1881, 60.1664, 65.5212**.

A 20% lighter version of the original color is **83.5997, 90.9331, 62.4359**, and **33.3903, 30.2990, 12.8925** is the 20% darker color. If you saturate the color by 10%, you get **59.6546, 53.4543, 22.3578**, and if you desaturate by 10%, it is **69.4114, 67.0970, 43.7094**.

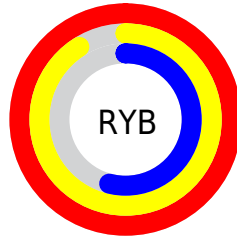
# Distribution



Red (100%)

Green (75%)

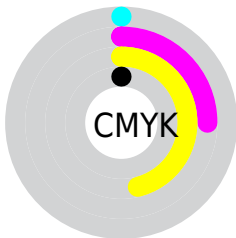
Blue (54%)



Red (100%)

Yellow (91%)

Blue (54%)

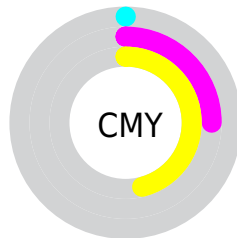


Cyan (0%)

Magenta (25%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1688, 59.8931, 31.8454 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 64.1688, 59.8931, 31.8454 by changing the saturation by 10% instead.




 64.1688, 59.8931,  
31.8454


 64.1688, 59.8931,  
31.8454


429.3915,  
424.2036, 324.8854


 47.0496, 43.3325,  
20.9796


 109.9264,  
104.6746, 63.6637

 33.2830, 30.1461,  
12.9180

 139.2955,  
133.6642, 85.4534

 22.5036, 19.9495,  
7.2420


 173.4786,  
167.5657, 111.7213

 14.3461, 12.3583,  
3.5332

212.8410,  
206.7633, 142.8862

 8.4451, 6.9882,  
1.3729

257.7482,  
251.6415, 179.3665

 4.4352, 3.4547,  
0.1205

308.5654,

 1.9512, 1.3735,

302.5847, 221.5808

0.0000

365.6581,  
359.9773, 269.9475

0.6063, 0.1971,  
0.0000

0.0000, 0.0000,  
0.0000

64.1688, 59.8931,  
31.8454

64.1688, 59.8931,  
31.8454

59.6546, 53.4543,  
22.3578

69.4114, 67.0970,  
43.7094

55.8252, 47.7430,  
15.0775

75.4138, 75.0842,  
58.0960

52.6385, 42.7308,  
9.8184

82.2107, 83.8832,  
75.1434

50.0443, 38.3833,  
6.3614

89.8331, 93.5180,  
94.9788

■ 47.9820, 34.6609, 95.0498, 99.9999,  
4.4342 108.9000

■ 47.3190, 33.4182,  
3.9564

# Harmonies

## Analogous

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



71.2687, 59.8931, 42.4791



64.1688, 59.8931, 31.8454



55.6998, 59.8931, 29.2005

# Triad

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



64.1688, 59.8931, 31.8454



42.3373, 59.8931, 68.8168



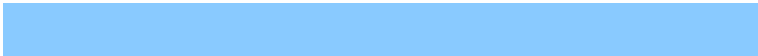
66.5150, 59.8931, 111.1286

# Complementary

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



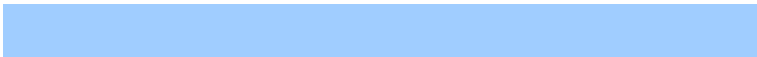
64.1688, 59.8931, 31.8454



49.4861, 54.7771, 102.5722

# 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.



58.1713, 59.8931, 122.8273



64.1688, 59.8931, 31.8454



44.6505, 59.8931, 94.8842

# Square

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



64.1688, 59.8931, 31.8454



43.6078, 59.8931, 47.2537



50.2509, 59.8931, 116.2544



72.7138, 59.8931, 87.2292



# Rectangle

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



64.1688, 59.8931, 31.8454



50.5315, 59.8931, 31.5940



50.2509, 59.8931, 116.2544



63.8397, 59.8931, 116.8529

# Sweetspot

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



64.1703, 59.8960, 31.8466



83.8705, 85.9999, 79.4043



61.0689, 43.5051, 62.2219



17.6144, 17.9774, 16.1296



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.



64.1703, 59.8960, 31.8466



59.7691, 53.6209, 22.5874



79.0568, 89.6691, 36.8088



18.6812, 19.3306, 18.8909



24.8694, 17.7500, 2.1153

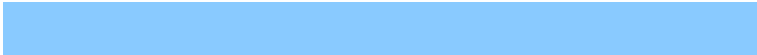


2.5286, 1.9427, 0.2417

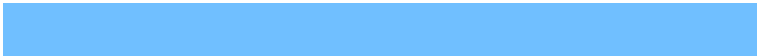


# Inverse Universe

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



49.4861, 54.7771, 102.5722



43.3565, 47.8757, 101.5636



38.4721, 32.7491, 98.9009



17.8325, 19.0366, 22.9845



14.5178, 13.9451, 51.3611



1.5227, 1.5761, 5.0372



# Previews

## White Background



This preview shows how the XYZ color 64.1688, 59.8931, 31.8454 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

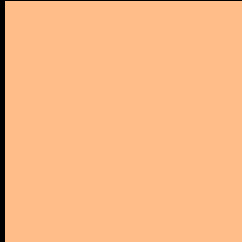
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.1688, 59.8931, 31.8454 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 64.1688, 59.8931, 31.8454**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.1688, 59.8931, 31.8454.



This preview shows how white text looks on a background with the XYZ color 64.1688, 59.8931,

31.8454.

# 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

64.1688, 59.8931, 31.8454

### Protanopia

55.8291, 59.9107, 34.6080

### Deuteranopia

61.2673, 60.0409, 31.6525



## Tritanopia

68.6670, 59.9891, 60.7832

# Trichromacy



**Original Color**

64.1688, 59.8931, 31.8454

**Protanomaly**

58.6061, 59.6349, 33.6211

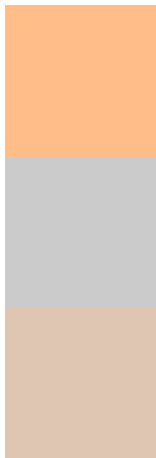
**Deuteranomaly**

62.2253, 59.8740, 31.5698

**Tritanomaly**

66.7482, 59.8958, 48.6005

# Monochromacy



**Original Color**

64.1688, 59.8931, 31.8454

**Achromatopsia**

56.7640, 59.7202, 65.0353

**Achromatomaly**

58.4550, 59.1724, 50.9883

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.1688, 59.8931, 31.8454 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, 190, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 137)  
}
```

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, 190, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 64.1688, 59.8931, 31.8454 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, 190, 137) }
```



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

```
.border{ border-color:rgb(255, 190, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.1688, 59.8931, 31.8454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 137) }
```

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

```
.background{ background-color: rgb(255,  
190, 137) }
```

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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