

# Converting Colors

XYZ(65.3467, 63.2077, 29.2820)

Have a look what the booklet for  
XYZ(65.3467, 63.2077, 29.2820)  
contains.

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# **Color**

**XYZ(65.3304, 63.2067,  
29.1789)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC680
RGB	255, 198, 128
RGB Percent	100%, 78%, 50%
CMY	0.0000, 0.2235, 0.4980
CMYK	0.00, 0.22, 0.50, 0.00
HSL	33°, 100%, 75%
HSV	33°, 50%, 100%
XYZ	65.3304, 63.2067, 29.1789
YIQ	207.0630, 56.4420, -9.6860

# Conversions

## Conversions Part 2

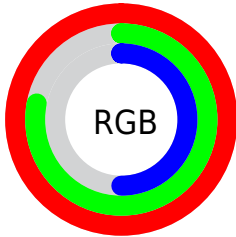
Format	Color
<a href="#">RYB</a>	<a href="#">231, 255, 128</a>
Decimal	<a href="#">16762496</a>
CIELab	<a href="#">83.55, 12.16, 42.70</a>
CIElCh	<a href="#">84, 44.395, 74.101</a>
Yxy	<a href="#">63.2067, 0.4142, 0.4008</a>
Android (android.graphics.Color)	<a href="#">4294952576</a> ( <a href="#">0xFFFFC680</a> )
YUV	<a href="#">207.0630, -38.9781, 42.0407</a>
Hunter-Lab	<a href="#">79.5026, 7.5507, 33.8914</a>

# Details

The XYZ color **65.3304, 63.2067, 29.1789** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.3003, 46.5053, 101.2490**, and the grayscale version is **59.5680, 62.6702, 68.2478**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **34.0778, 32.2181, 11.4438** is the 20% darker color. If you saturate the color by 10%, you get **61.3409, 57.5848, 20.5833**, and if you desaturate by 10%, it is **69.9424, 69.3987, 40.0638**.

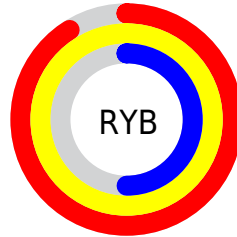
# Distribution



Red (100%)

Green (78%)

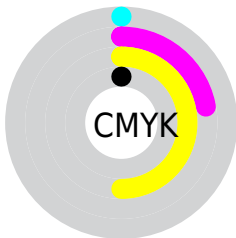
Blue (50%)



Red (91%)

Yellow (100%)

Blue (50%)

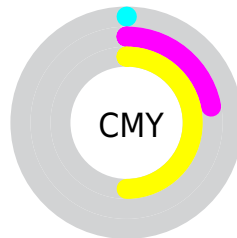


Cyan (0%)

Magenta (22%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3304, 63.2067, 29.1789 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 65.3304, 63.2067, 29.1789 by changing the saturation by 10% instead.



65.3304, 63.2067,  
29.1789

65.3304, 63.2067,  
29.1789

433.5048,  
436.3193, 312.1454

47.9947, 46.0084,  
18.9695

111.5878,  
109.4677, 59.4068

34.0340, 32.2525,  
11.4716

141.2403,  
139.2992, 80.2623

23.0827, 21.5544,  
6.2669

175.7290,  
174.1105, 105.5036

14.7756, 13.5299,  
2.9366

215.4194,  
214.2862, 135.5492

8.7473, 7.7944,  
1.0624

260.6769,  
260.2105, 170.8176

4.6325, 3.9637,  
0.0000

311.8667,

2.0658, 1.6533,

312.2678, 211.7274

0.0000

369.3542,  
370.8426, 258.6972

■ 0.6705, 0.3931,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.3304, 63.2067,  
29.1789

■ 65.3304, 63.2067,  
29.1789

■ 61.3409, 57.5848,  
20.5833

■ 69.9424, 69.3987,  
40.0638

■ 57.9327, 52.5022,  
14.1021

■ 75.2053, 76.1717,  
53.3878

■ 55.0661, 47.9384,  
9.5411

■ 81.1511, 83.5473,  
69.2921

■ 52.6923, 43.8664,  
6.6673

■ 87.8081, 91.5432,  
87.9060

■ 50.7363, 40.2484,  
5.1090

95.0499, 99.9999,  
108.9000

■ 50.7004, 40.1810,  
5.0835

# Harmonies

## Analogous

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



74.4859, 63.2067, 37.9460



65.3304, 63.2067, 29.1789



55.6469, 63.2067, 28.9347

# Triad

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



65.3304, 63.2067, 29.1789



43.7455, 63.2067, 82.6683



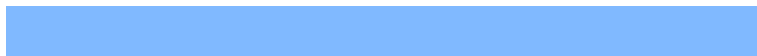
74.0092, 63.2067, 114.7342

# Complementary

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



65.3304, 63.2067, 29.1789



44.3003, 46.5053, 101.2490

# 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.



64.7342, 63.2067, 134.6931



65.3304, 63.2067, 29.1789



47.6560, 63.2067, 113.0754

# Square

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



65.3304, 63.2067, 29.1789



43.8682, 63.2067, 55.2040



55.1113, 63.2067, 134.0153



79.8527, 63.2067, 84.5119



# Rectangle

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



65.3304, 63.2067, 29.1789



50.2167, 63.2067, 33.3964



55.1113, 63.2067, 134.0153



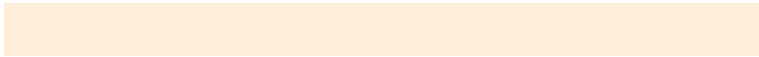
71.1482, 63.2067, 123.1879

# Sweetspot

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



65.3319, 63.2097, 29.1802



84.2582, 87.3095, 77.8868



57.7323, 40.2080, 50.7007



17.7385, 18.3306, 15.8469



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.



65.3319, 63.2097, 29.1802



61.2684, 57.4796, 20.4359



78.5986, 93.1538, 34.2607



18.8395, 19.6472, 18.9437



26.6435, 21.2982, 2.7067

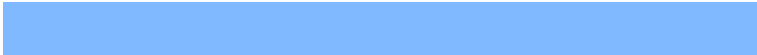


2.7033, 2.2920, 0.2999

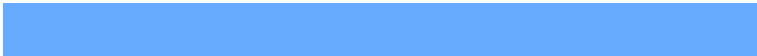


# Inverse Universe

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



44.3003, 46.5053, 101.2490



38.0287, 39.0431, 100.1395



35.6571, 27.7562, 98.0857



17.6742, 18.7200, 22.9317



12.7456, 10.4007, 50.7704



1.3482, 1.2270, 4.9791



# Previews

## White Background



This preview shows how the XYZ color 65.3304, 63.2067, 29.1789 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

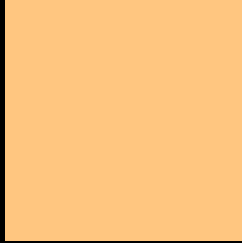
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.3304, 63.2067, 29.1789 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 65.3304, 63.2067, 29.1789**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.3304, 63.2067, 29.1789.



This preview shows how white text looks on a background with the XYZ color 65.3304, 63.2067,



# 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

65.3304, 63.2067, 29.1789

### Protanopia

58.6439, 63.5978, 31.0145

### Deuteranopia

64.4646, 63.1008, 29.2041



## Tritanopia

70.9887, 63.3189, 65.6070

# Trichromacy



## Original Color

65.3304, 63.2067, 29.1789

## Protanomaly

60.8531, 63.3059, 30.4847

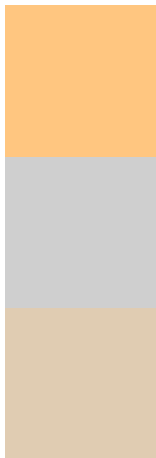
## Deuteranomaly

64.8277, 63.2880, 29.2211

## Tritanomaly

68.3683, 62.9782, 49.6269

# Monochromacy



## Original Color

65.3304, 63.2067, 29.1789

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

60.3692, 62.2474, 50.9526

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.3304, 63.2067, 29.1789 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, 198, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 128)  
}
```

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, 198, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 65.3304, 63.2067, 29.1789 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, 198, 128) }
```



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

```
.border{ border-color:rgb(255, 198, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.3304, 63.2067, 29.1789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 128) }
```

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

```
.background{ background-color: rgb(255,  
198, 128) }
```

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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