

# Converting Colors

XYZ(64.9279, 63.4977, 25.6675)

Have a look what the booklet for  
XYZ(64.9279, 63.4977, 25.6675)  
contains.

<b>XYZ(64.8743, 63.3912, 25.6461)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(64.8743, 63.3912,  
25.6461)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC775
RGB	255, 199, 117
RGB Percent	100%, 78%, 46%
CMY	0.0000, 0.2196, 0.5412
CMYK	0.00, 0.22, 0.54, 0.00
HSL	36°, 100%, 73%
HSV	36°, 54%, 100%
XYZ	64.8743, 63.3912, 25.6461
YIQ	206.3960, 59.6980, -13.6300

# Conversions

## Conversions Part 2

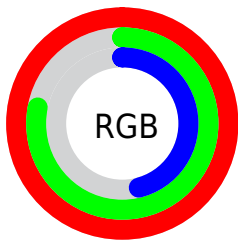
Format	Color
<a href="#">RYB</a>	211, 255, 117
Decimal	16762741
CIELab	83.65, 10.72, 48.29
CIELCh	84, 49.467, 77.489
Yxy	63.3912, 0.4215, 0.4119
Android (android.graphics.Color)	4294952821 (0xFFFFC775)
YUV	206.3960, -44.0722, 42.6257
Hunter-Lab	79.6186, 6.1117, 36.6350

# Details

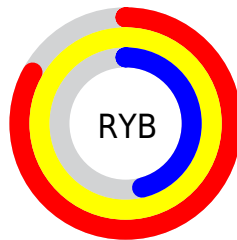
The XYZ color **64.8743, 63.3912, 25.6461** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.3290, 40.8873, 100.3738**, and the grayscale version is **59.1685, 62.2499, 67.7901**.

A 20% lighter version of the original color is **84.3507, 95.7203, 52.5582**, and **33.6144, 32.2462, 9.6067** is the 20% darker color. If you saturate the color by 10%, you get **61.2745, 58.2730, 18.0299**, and if you desaturate by 10%, it is **69.0474, 69.0026, 35.4690**.

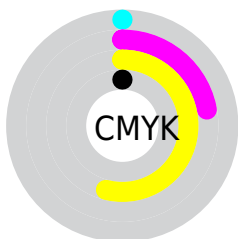
# Distribution



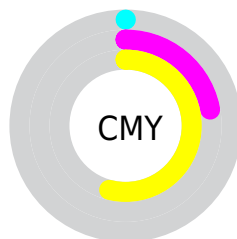
- Red (100%)
- Green (78%)
- Blue (46%)



- Red (83%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (22%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (22%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8743, 63.3912, 25.6461 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 64.8743, 63.3912, 25.6461 by changing the saturation by 10% instead.





 64.8743, 63.3912,  
25.6461


 64.8743, 63.3912,  
25.6461


431.8925,  
436.9878, 294.5905

 47.6235, 46.1578,  
16.3357


 110.9358,  
109.7337, 53.6805

 33.7388, 32.3703,  
9.6051


 140.4773,  
139.6115, 73.2416

 22.8550, 21.6445,  
5.0357

 174.8463,  
174.4730, 97.0567

 14.6066, 13.5959,  
2.2091

214.4082,  
214.7024, 125.5442

 8.6282, 7.8402,  
0.6796

259.5285,  
260.6842, 159.1229

 4.5547, 3.9928,  
0.0000

310.5723,

 2.0205, 1.6696,

312.8028, 198.2111

0.0000

367.9052,  
371.4425, 243.2274

■ 0.6454, 0.4038,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.8743, 63.3912,  
25.6461

■ 64.8743, 63.3912,  
25.6461

■ 61.2745, 58.2730,  
18.0299

■ 69.0474, 69.0026,  
35.4690

■ 58.2061, 53.6189,  
12.4363

■ 73.8225, 75.1163,  
47.6549

■ 55.6279, 49.4095,  
8.6577

■ 79.2314, 81.7523,  
62.3502

■ 53.4882, 45.6187,  
6.4382

■ 85.3023, 88.9266,  
79.6880

■ 52.3923, 43.5650,  
5.6475

■ 92.0614, 96.6542,  
99.7922

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



75.4413, 63.3912, 33.7417



64.8743, 63.3912, 25.6461



54.2093, 63.3912, 26.3451

# Triad

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



64.8743, 63.3912, 25.6461



42.4976, 63.3912, 88.5346



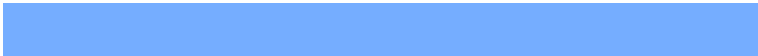
76.9366, 63.3912, 117.6546

# Complementary

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



64.8743, 63.3912, 25.6461



40.3290, 40.8873, 100.3738

# 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.



66.7267, 63.3912, 142.9298



64.8743, 63.3912, 25.6461



47.2510, 63.3912, 122.9581

# Square

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



64.8743, 63.3912, 25.6461



42.1278, 63.3912, 56.8963



55.8536, 63.3912, 145.1186



82.9450, 63.3912, 82.7591



# Rectangle

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



64.8743, 63.3912, 25.6461



48.4491, 63.3912, 31.7009



55.8536, 63.3912, 145.1186



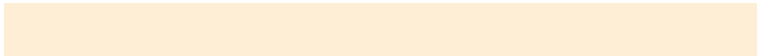
73.8299, 63.3912, 127.9581

# Sweetspot

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



64.8758, 63.3943, 25.6474



84.1075, 87.5339, 76.2151



55.2903, 37.0586, 44.5400



17.7288, 18.4147, 15.5244



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.



64.8758, 63.3943, 25.6474



60.9828, 57.8437, 17.4571



76.1057, 91.9478, 30.5669



18.9069, 19.7820, 18.9661



27.5267, 23.0646, 3.0011



2.7875, 2.4604, 0.3280



# Inverse Universe

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



40.3290, 40.8873, 100.3738



34.1670, 33.3025, 99.2350



33.3893, 24.5713, 97.5903



17.6081, 18.5878, 22.9097



12.1276, 9.1648, 50.5644



1.2848, 1.1002, 4.9579



# Previews

## White Background



This preview shows how the XYZ color 64.8743, 63.3912, 25.6461 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 64.8743, 63.3912, 25.6461 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 64.8743, 63.3912, 25.6461**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.8743, 63.3912, 25.6461.



This preview shows how white text looks on a background with the XYZ color 64.8743, 63.3912,



# 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

64.8743, 63.3912, 25.6461

### Protanopia

58.5648, 63.6394, 27.2861

### Deuteranopia

64.8743, 63.3912, 25.6461



## Tritanopia

70.9887, 63.3189, 65.6070

# Trichromacy



## Original Color

64.8743, 63.3912, 25.6461

## Protanomaly

60.4814, 63.1959, 26.7796

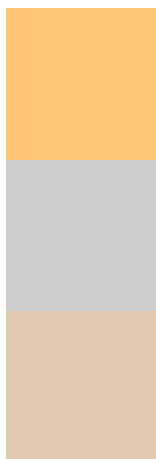
## Deuteranomaly

64.8743, 63.3912, 25.6461

## Tritanomaly

68.2015, 63.2688, 47.6472

# Monochromacy



## Original Color

64.8743, 63.3912, 25.6461

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

59.7364, 61.6152, 48.7889

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8743, 63.3912, 25.6461 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, 199, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 117)  
}
```

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, 199, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8743, 63.3912, 25.6461 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, 199, 117) }
```



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

```
.border{ border-color:rgb(255, 199, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8743, 63.3912, 25.6461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 117) }
```

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

```
.background{ background-color: rgb(255,  
199, 117) }
```

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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