

# Converting Colors

XYZ(66.4273, 63.9949, 25.9438)

Have a look what the booklet for  
XYZ(66.4273, 63.9949, 25.9438)  
contains.

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# Color

**XYZ(64.7041, 62.9562,  
25.8810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC676
RGB	255, 198, 118
RGB Percent	100%, 78%, 46%
CMY	0.0000, 0.2235, 0.5372
CMYK	0.00, 0.22, 0.54, 0.00
HSL	35°, 100%, 73%
HSV	35°, 54%, 100%
XYZ	64.7041, 62.9562, 25.8810
YIQ	205.9230, 59.6520, -12.7960

# Conversions

## Conversions Part 2

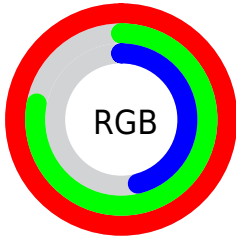
Format	Color
<a href="#">RYB</a>	<a href="#">216, 255, 118</a>
Decimal	<a href="#">16762486</a>
CIELab	<a href="#">83.42, 11.31, 47.52</a>
CIElCh	<a href="#">83, 48.851, 76.607</a>
Yxy	<a href="#">62.9562, 0.4214, 0.4100</a>
Android (android.graphics.Color)	<a href="#">4294952566</a> ( <a href="#">0xFFFFC676</a> )
YUV	<a href="#">205.9230, -43.3460, 43.0405</a>
Hunter-Lab	<a href="#">79.3449, 6.7093, 36.2020</a>

# Details

The XYZ color **64.7041, 62.9562, 25.8810** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.8504, 41.7297, 100.5089**, and the grayscale version is **58.8603, 61.9256, 67.4370**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **33.4921, 31.9539, 9.7127** is the 20% darker color. If you saturate the color by 10%, you get **61.0486, 57.7514, 18.1702**, and if you desaturate by 10%, it is **68.9420, 68.6706, 35.8076**.

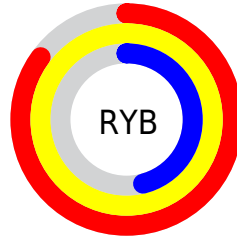
# Distribution



Red (100%)

Green (78%)

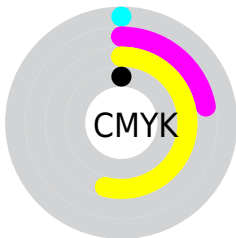
Blue (46%)



Red (85%)

Yellow (100%)

Blue (46%)

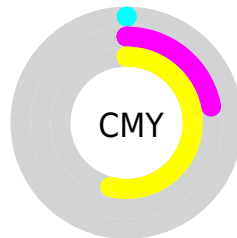


Cyan (0%)

Magenta (22%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7041, 62.9562, 25.8810 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 64.7041, 62.9562, 25.8810 by changing the saturation by 10% instead.




 64.7041, 62.9562,  
25.8810


 64.7041, 62.9562,  
25.8810


431.2899,  
435.4105, 295.7843


 47.4850, 45.8058,  
16.5097


 110.6924,  
109.1063, 54.0646

 33.6288, 32.0926,  
9.7273


 140.1923,  
138.8748, 73.7140

 22.7701, 21.4322,  
5.1153

 174.5166,  
173.6181, 97.6265

 14.5436, 13.4403,  
2.2551

214.0305,  
213.7206, 126.2206

 8.5839, 7.7324,  
0.7059

259.0994,  
259.5667, 159.9149

 4.5257, 3.9242,  
0.0000

310.0887,

 2.0036, 1.6313,

311.5408, 199.1279

0.0000

367.3638,  
370.0273, 244.2782

■ 0.6360, 0.3785,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.7041, 62.9562,  
25.8810

■ 64.7041, 62.9562,  
25.8810

■ 61.0486, 57.7514,  
18.1702

■ 68.9420, 68.6706,  
35.8076

■ 57.9337, 53.0266,  
12.4923

■ 73.7913, 74.9043,  
48.1059

■ 55.3182, 48.7621,  
8.6405

■ 79.2840, 81.6776,  
62.9217

■ 53.1504, 44.9314,  
6.3616

■ 85.4482, 89.0069,  
80.3880

51.9740, 42.7283,  
5.5081

92.3103, 96.9078,  
100.6284

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.



75.0262, 62.9562, 34.1717



64.7041, 62.9562, 25.8810



54.1776, 62.9562, 26.3281

# Triad

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



64.7041, 62.9562, 25.8810



42.2920, 62.9562, 86.7007



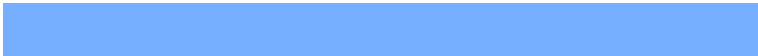
75.9742, 62.9562, 117.2085

# Complementary

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



64.7041, 62.9562, 25.8810



40.8504, 41.7297, 100.5089

# 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.



65.8795, 62.9562, 141.4451



64.7041, 62.9562, 25.8810



46.8517, 62.9562, 120.5646

# Square

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



64.7041, 62.9562, 25.8810



42.0566, 62.9562, 55.8503



55.2222, 62.9562, 142.8289



82.0346, 62.9562, 83.0390



# Rectangle

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



64.7041, 62.9562, 25.8810



48.4455, 62.9562, 31.4446



55.2222, 62.9562, 142.8289



72.8895, 62.9562, 127.1784

# Sweetspot

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



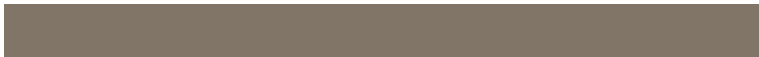
64.7056, 62.9592, 25.8822



83.9855, 87.2899, 76.1744



55.4647, 37.3158, 44.8803



17.6996, 18.3565, 15.5147



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.



64.7056, 62.9592, 25.8822



60.9560, 57.6151, 17.9875



76.1937, 91.9863, 30.8796



18.8908, 19.7498, 18.9608



27.3085, 22.6283, 2.9284

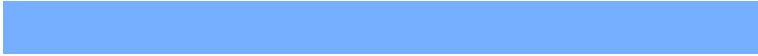


2.7669, 2.4191, 0.3211



# Inverse Universe

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



40.8504, 41.7297, 100.5089



34.9614, 34.5205, 99.4282



33.6456, 24.8774, 97.6358



17.6238, 18.6193, 22.9150



12.2683, 9.4461, 50.6113



1.2994, 1.1294, 4.9628



# Previews

## White Background



This preview shows how the XYZ color 64.7041, 62.9562, 25.8810 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 64.7041, 62.9562, 25.8810 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 64.7041, 62.9562, 25.8810**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.7041, 62.9562, 25.8810.



This preview shows how white text looks on a background with the XYZ color 64.7041, 62.9562,



# 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

64.7041, 62.9562, 25.8810

### Protanopia

58.0636, 63.0109, 27.5144

### Deuteranopia

64.5665, 63.2257, 25.9403



## Tritanopia

70.6503, 62.8334, 64.9043

# Trichromacy



## Original Color

64.7041, 62.9562, 25.8810

## Protanomaly

60.3040, 62.7434, 27.0215

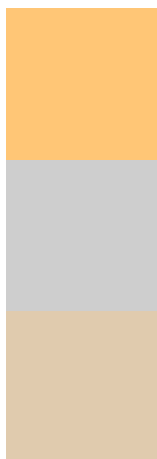
## Deuteranomaly

64.5665, 63.2257, 25.9403

## Tritanomaly

67.9782, 62.8221, 47.5728

# Monochromacy



## Original Color

64.7041, 62.9562, 25.8810

## 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 64.7041, 62.9562, 25.8810 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7041, 62.9562, 25.8810 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, 118) }
```



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

```
.border{ border-color:rgb(255, 198, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 198, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 198, 118); box-shadow:4px 4px 4px 4px rgb(255, 198, 118) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7041, 62.9562, 25.8810 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, 118) }
```

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

```
.background{ background-color: rgb(255,  
198, 118) }
```

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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