

# Converting Colors

XYZ(64.0072, 64.5364, 16.4804)

Have a look what the booklet for  
XYZ(64.0072, 64.5364, 16.4804)  
contains.

<b>XYZ(64.0072, 64.5364, 16.4804)</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(64.0072, 64.5364,  
16.4804)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCB4F
RGB	255, 203, 79
RGB Percent	100%, 80%, 31%
CMY	0.0000, 0.2039, 0.6902
CMYK	0.00, 0.20, 0.69, 0.00
HSL	42°, 100%, 65%
HSV	42°, 69%, 100%
XYZ	64.0072, 64.5364, 16.4804
YIQ	204.4120, 70.7960, -27.5400

# Conversions

## Conversions Part 2

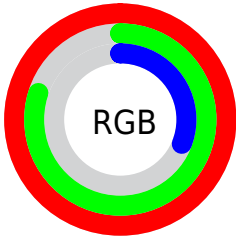
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 255, 79
Decimal	16763727
CIE <sub>Lab</sub>	84.24, 6.17, 66.25
CIE <sub>LCh</sub>	84, 66.536, 84.676
Yxy	64.5364, 0.4414, 0.4450
Android (android.graphics.Color)	4294953807 (0xFFFFCB4F)
YUV	204.4120, -61.8281, 44.3657
Hunter-Lab	80.3346, 1.6358, 44.0710

# Details

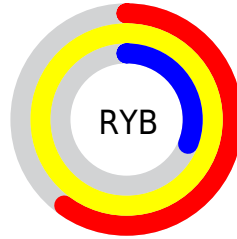
The XYZ color **64.0072, 64.5364, 16.4804** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed yellow. A complement of this color would be **29.3905, 25.1140, 97.9055**, and the grayscale version is **58.0049, 61.0257, 66.4569**.

A 20% lighter version of the original color is **81.3031, 94.5012, 36.5097**, and **33.0818, 32.9987, 5.0777** is the 20% darker color. If you saturate the color by 10%, you get **61.5154, 60.7644, 11.9158**, and if you desaturate by 10%, it is **66.9442, 68.6299, 22.9499**.

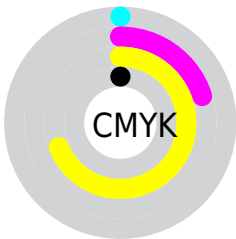
# Distribution



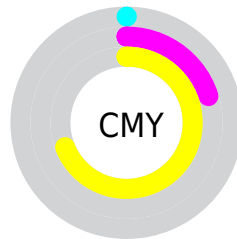
- Red (100%)
- Green (80%)
- Blue (31%)



- Red (60%)
- Yellow (100%)
- Blue (31%)



- Cyan (0%)
- Magenta (20%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0072, 64.5364, 16.4804 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 64.0072, 64.5364, 16.4804 by changing the saturation by 10% instead.





 64.0072, 64.5364,  
16.4804

 64.0072, 64.5364,  
16.4804


428.8174,  
441.1241, 244.1017


 46.9182, 47.0853,  
9.7067


 109.6950,  
111.3831, 38.2085


 33.1787, 33.1031,  
5.1019

 139.0245,  
141.5474, 54.0001


 22.4232, 22.2054,  
2.2474


 173.1649,  
176.7183, 73.6346

 14.2866, 14.0079,  
0.7015

 212.4815,  
217.2800, 97.5308

 8.4033, 8.1262,  
0.0000

 257.3397,  
263.6171, 126.1070

 4.4080, 4.1758,  
0.0000

308.1049,

 1.9355, 1.7724,

316.1139, 159.7819

0.0000

365.1423,  
375.1548, 198.9739

■ 0.5973, 0.4699,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.0072, 64.5364,  
16.4804

■ 64.0072, 64.5364,  
16.4804

■ 61.5154, 60.7644,  
11.9158

■ 66.9442, 68.6299,  
22.9499

■ 59.4199, 57.2848,  
9.0242

■ 70.3596, 73.0524,  
31.5126

■ 57.6570, 54.0726,  
7.4701

■ 74.2879, 77.8222,  
42.3384

■ 57.4939, 53.7683,  
7.3481

■ 78.7590, 82.9530,  
55.5786

■ 83.8001, 88.4576,  
71.3711

■ 89.4364, 94.3477,  
89.8437

95.0497, 99.9998,  
108.9000

# Harmonies

## Analogous

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



79.2266, 64.5364, 22.6756



64.0072, 64.5364, 16.4804



50.2541, 64.5364, 19.3140

# Triad

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



64.0072, 64.5364, 16.4804



39.0256, 64.5364, 109.8864



87.4860, 64.5364, 128.4131

# Complementary

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



64.0072, 64.5364, 16.4804



29.3905, 25.1140, 97.9055

# 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.



73.9468, 64.5364, 172.8182



64.0072, 64.5364, 16.4804



46.3709, 64.5364, 159.4570

# Square

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



64.0072, 64.5364, 16.4804



37.2302, 64.5364, 63.0042



58.7478, 64.5364, 186.0040



94.1015, 64.5364, 78.0722



# Rectangle

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



64.0072, 64.5364, 16.4804



43.4957, 64.5364, 26.9166



58.7478, 64.5364, 186.0040



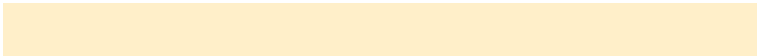
83.4982, 64.5364, 145.2177

# Sweetspot

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



64.0087, 64.5395, 16.4817



82.7550, 87.3369, 68.0323



48.1873, 28.5129, 24.7228



17.4094, 18.3647, 13.6032



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.



64.0087, 64.5395, 16.4817



60.6365, 59.3450, 10.5782



66.6259, 87.2685, 20.7309



19.0815, 20.1311, 19.0243



30.1781, 28.3674, 3.8849



3.0334, 2.9521, 0.4099



# Inverse Universe

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



29.3905, 25.1140, 97.9055



24.2022, 18.0236, 96.8110



27.8120, 16.4035, 96.3074



17.4403, 18.2522, 22.8538



10.8700, 6.6495, 50.1452



1.1484, 0.8274, 4.9125



# Previews

## White Background



This preview shows how the XYZ color 64.0072, 64.5364, 16.4804 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 64.0072, 64.5364, 16.4804 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 64.0072, 64.5364, 16.4804**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.0072, 64.5364, 16.4804.



This preview shows how white text looks on a background with the XYZ color 64.0072, 64.5364,



# 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

64.0072, 64.5364, 16.4804

### Protanopia

59.0404, 64.8448, 17.1891

### Deuteranopia

65.3412, 64.6933, 24.6660



## Tritanopia

71.6724, 64.2998, 67.0261

# Trichromacy



## Original Color

64.0072, 64.5364, 16.4804

## Protanomaly

60.6218, 64.5682, 16.8572

## Deuteranomaly

64.7095, 64.4406, 21.3396

## Tritanomaly

67.5514, 63.7306, 41.9986

# Monochromacy



## Original Color

64.0072, 64.5364, 16.4804

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

58.2823, 61.3769, 41.5760

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.0072, 64.5364, 16.4804 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, 203, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 79)  
}
```

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, 203, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 79) }
```

## Border

The CSS property to change the border of an element to XYZ 64.0072, 64.5364, 16.4804 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, 203, 79) }
```



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

```
.border{ border-color:rgb(255, 203, 79) }
```

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

Here you see how a box with a 4 pixel rgb(255, 203, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
79) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.0072, 64.5364, 16.4804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 79) }
```

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

```
.background{ background-color: rgb(255,  
203, 79) }
```

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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