

# Converting Colors

XYZ(61.5044, 60.1902, 15.3974)

Have a look what the booklet for  
XYZ(61.5044, 60.1902, 15.3974)  
contains.

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# **Color**

**XYZ(61.5044, 60.1902,  
15.3974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEC24D
RGB	254, 194, 77
RGB Percent	100%, 76%, 30%
CMY	0.0039, 0.2392, 0.6980
CMYK	0.00, 0.24, 0.70, 0.00
HSL	40°, 99%, 65%
HSV	40°, 70%, 100%
XYZ	61.5044, 60.1902, 15.3974
YIQ	198.6020, 73.3170, -23.6670

# Conversions

## Conversions Part 2

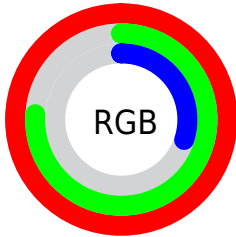
Format	Color
<a href="#">RYB</a>	<a href="#">168, 254, 77</a>
Decimal	<a href="#">16695885</a>
CIELab	<a href="#">81.94, 10.31, 64.67</a>
CIELCh	<a href="#">82, 65.484, 80.940</a>
Yxy	<a href="#">60.1902, 0.4486, 0.4390</a>
Android (android.graphics.Color)	<a href="#">4294885965</a> ( <a href="#">0xFFFECC24D</a> )
YUV	<a href="#">198.6020, -59.9498, 48.5840</a>
Hunter-Lab	<a href="#">77.5823, 5.7391, 42.5406</a>

# Details

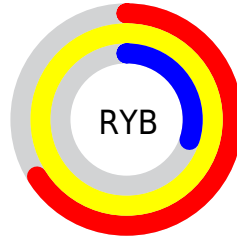
The XYZ color **61.5044, 60.1902, 15.3974** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed yellow. A complement of this color would be **29.8953, 26.6239, 97.3287**, and the grayscale version is **54.3675, 57.1989, 62.2896**.

A 20% lighter version of the original color is **79.5223, 91.2699, 34.8983**, and **31.5965, 30.4189, 4.6216** is the 20% darker color. If you saturate the color by 10%, you get **58.9160, 56.1795, 10.9407**, and if you desaturate by 10%, it is **64.5565, 64.5688, 21.7361**.

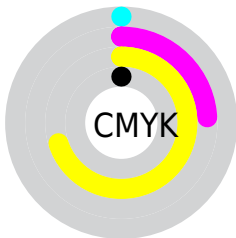
# Distribution



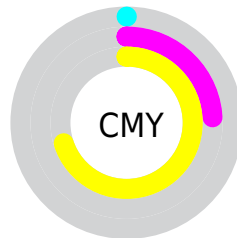
- Red (100%)
- Green (76%)
- Blue (30%)



- Red (66%)
- Yellow (100%)
- Blue (30%)



- Cyan (0%)
- Magenta (24%)
- Yellow (70%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5044, 60.1902, 15.3974 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 61.5044, 60.1902, 15.3974 by changing the saturation by 10% instead.





 61.5044, 60.1902,  
15.3974


 61.5044, 60.1902,  
15.3974


419.8674,  
425.2985, 237.4822

 44.8864, 43.5720,  
8.9491


 106.1029,  
105.1055, 36.3010

 31.5689, 30.3341,  
4.6116


 134.8142,  
134.1714, 51.5932

 21.1864, 20.0923,  
1.9665


 168.2873,  
168.1553, 70.6706

 13.3735, 12.4622,  
0.5346

 206.8875,  
207.4416, 93.9516

 7.7650, 7.0593,  
0.0000

 250.9803,  
252.4146, 121.8546

 3.9955, 3.4992,  
0.0000

300.9310,

 1.6996, 1.3976,

303.4589, 154.7984

0.0000

357.1049,  
360.9587, 193.2014

■ 0.4560, 0.2149,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.5044, 60.1902,  
15.3974

■ 61.5044, 60.1902,  
15.3974

■ 58.9160, 56.1795,  
10.9407

■ 64.5565, 64.5688,  
21.7361

■ 56.7419, 52.5069,  
8.1335

■ 68.1065, 69.3246,  
30.1457

■ 54.9129, 49.1438,  
6.6146

■ 72.1892, 74.4770,  
40.7958

■ 54.8582, 49.0415,  
6.5746

■ 76.8351, 80.0407,  
53.8375

■ 82.0719, 86.0297,  
69.4085

■ 87.9252, 92.4568,  
87.6360

■ 94.4192, 99.3343,  
108.6386

■ 94.6828, 99.8107,  
108.8828

# Harmonies

## Analogous

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



75.6775, 60.1902, 22.3722



61.5044, 60.1902, 15.3974



48.2123, 60.1902, 17.0054

# Triad

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



61.5044, 60.1902, 15.3974



35.7733, 60.1902, 96.7361



80.4703, 60.1902, 126.2766

# Complementary

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



61.5044, 60.1902, 15.3974



29.8953, 26.6239, 97.3287

# 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.



67.2605, 60.1902, 165.6481



61.5044, 60.1902, 15.3974



42.0198, 60.1902, 144.3542

# Square

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



61.5044, 60.1902, 15.3974



34.7406, 60.1902, 54.2490



53.1184, 60.1902, 173.3425



87.7315, 60.1902, 78.2911



# Rectangle

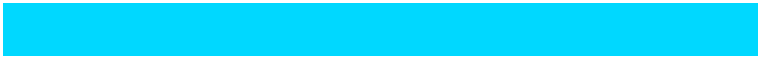
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.5044, 60.1902, 15.3974



41.4775, 60.1902, 23.1668



53.1184, 60.1902, 173.3425



76.4866, 60.1902, 141.6495

# Sweetspot

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



61.5058, 60.1932, 15.3986



82.0762, 85.9794, 67.8061



48.1836, 28.2416, 27.3194



17.2471, 18.0400, 13.5491



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.



61.5058, 60.1932, 15.3986



58.4461, 55.0375, 9.6224



68.6020, 87.8232, 20.3577



19.0123, 19.9928, 19.0013



29.0642, 26.1397, 3.5136



2.9311, 2.7476, 0.3759



# Inverse Universe

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



29.8953, 26.6239, 97.3287



24.9067, 19.5877, 97.0758



26.2006, 15.3803, 95.3532



17.5062, 18.3840, 22.8757



11.3117, 7.5330, 50.2924



1.1978, 0.9263, 4.9289



# Previews

## White Background



This preview shows how the XYZ color 61.5044, 60.1902, 15.3974 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 61.5044, 60.1902, 15.3974 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 61.5044, 60.1902, 15.3974**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.5044, 60.1902, 15.3974.



This preview shows how white text looks on a background with the XYZ color 61.5044, 60.1902,



# 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

61.5044, 60.1902, 15.3974

### Protanopia

54.7194, 60.0958, 16.3050

### Deuteranopia

61.5044, 60.1902, 15.3974



## Tritanopia

68.6670, 59.9891, 60.7832

# Trichromacy



## Original Color

61.5044, 60.1902, 15.3974

## Protanomaly

56.9906, 59.8776, 15.9509

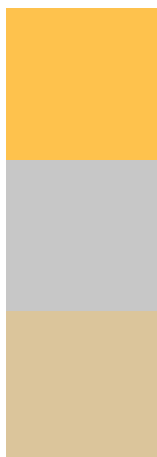
## Deuteranomaly

61.5044, 60.1902, 15.3974

## Tritanomaly

64.9730, 59.5263, 38.2023

# Monochromacy



## Original Color

61.5044, 60.1902, 15.3974

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

55.0961, 57.3591, 39.1779

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5044, 60.1902, 15.3974 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(254, 194, 77)` looks like.

```
.text, #text, p{  
    color:rgb(254, 194, 77)  
}
```

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(254, 194, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 194, 77) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5044, 60.1902, 15.3974 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(254, 194, 77) }
```



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

```
.border{ border-color:rgb(254, 194, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 194, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 194, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 194, 77);  
box-shadow:4px 4px 4px 4px rgb(254, 194,  
77) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5044, 60.1902, 15.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 194, 77) }
```

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

```
.background{ background-color: rgb(254,  
194, 77) }
```

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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