

# Converting Colors

XYZ(139.7796, 97.8282,  
24.3124)

Have a look what the booklet for  
XYZ(139.7796, 97.8282, 24.3124)  
contains.

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# **Color**

**XYZ(61.2471, 57.3571,  
20.6749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBA67
RGB	255, 186, 103
RGB Percent	100%, 73%, 40%
CMY	0.0000, 0.2706, 0.5961
CMYK	0.00, 0.27, 0.60, 0.00
HSL	33°, 100%, 70%
HSV	33°, 60%, 100%
XYZ	61.2471, 57.3571, 20.6749
YIQ	197.1690, 67.7670, -11.1850

# Conversions

## Conversions Part 2

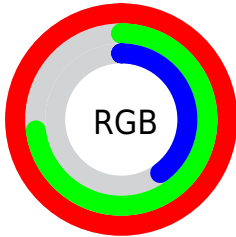
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 255, 103
Decimal	16759399
CIE Lab	80.38, 16.44, 51.22
CIE LCh	80, 53.792, 72.206
Yxy	57.3571, 0.4397, 0.4118
Android (android.graphics.Color)	4294949479 (0xFFFFBA67)
YUV	197.1690, -46.4253, 50.7178
Hunter-Lab	75.7345, 11.8191, 36.8284

# Details

The XYZ color **61.2471, 57.3571, 20.6749** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.3953, 39.6068, 100.2285**, and the grayscale version is **53.4175, 56.1993, 61.2011**.

A 20% lighter version of the original color is **78.9929, 87.1646, 44.1136**, and **31.5130, 28.6251, 7.1131** is the 20% darker color. If you saturate the color by 10%, you get **57.8169, 52.2422, 14.1510**, and if you desaturate by 10%, it is **65.2678, 63.0288, 29.3216**.

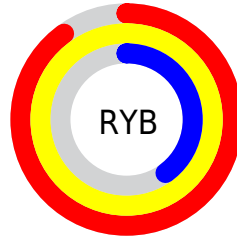
# Distribution



Red (100%)

Green (73%)

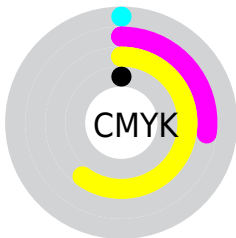
Blue (40%)



Red (90%)

Yellow (100%)

Blue (40%)

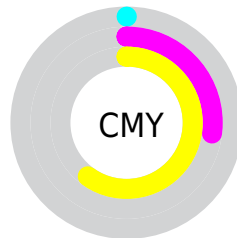


Cyan (0%)

Magenta (27%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.2471, 57.3571, 20.6749 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 61.2471, 57.3571, 20.6749 by changing the saturation by 10% instead.





 61.2471, 57.3571,  
20.6749


 61.2471, 57.3571,  
20.6749


418.9409,  
414.7861, 268.2697

 44.6779, 41.2920,  
12.6976


 105.7327,  
100.9861, 45.4196


 31.4040, 28.5473,  
7.0924


 134.3799,  
129.3187, 63.0241

 21.0600, 18.7387,  
3.4406


 167.7837,  
162.5094, 84.6748

 13.2806, 11.4816,  
1.3238

 206.3096,  
200.9424, 110.7902

 7.7004, 6.3917,  
0.0812

250.3229,  
245.0022, 141.7889

 3.9540, 3.0847,  
0.0000

300.1890,

 1.6762, 1.1761,

295.0731, 178.0893

0.0000

356.2732,  
351.5396, 220.1101

0.4413, 0.0421,  
0.0000

0.0000, 0.0000,  
0.0000

61.2471, 57.3571,  
20.6749

61.2471, 57.3571,  
20.6749

57.8169, 52.2422,  
14.1510

65.2678, 63.0288,  
29.3216

54.9316, 47.6517,  
9.5516

69.9115, 69.2706,  
40.2587

52.5441, 43.5612,  
6.6458

75.2128, 76.1057,  
53.6403

50.5808, 39.9332,  
5.0708

81.2021, 83.5530,  
69.6065

50.5092, 39.7986,  
5.0198

87.9079, 91.6304,  
88.2863

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.



71.7552, 57.3571, 29.9263



61.2471, 57.3571, 20.6749



50.1602, 57.3571, 19.9513

# Triad

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



61.2471, 57.3571, 20.6749



36.3270, 57.3571, 76.1730



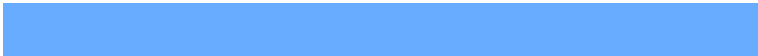
70.0163, 57.3571, 119.0098

# Complementary

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



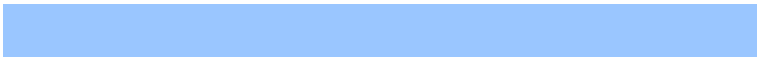
61.2471, 57.3571, 20.6749



38.3953, 39.6068, 100.2285

# 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.



59.1174, 57.3571, 142.4630



61.2471, 57.3571, 20.6749



40.2863, 57.3571, 112.6992

# Square

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



61.2471, 57.3571, 20.6749



36.7362, 57.3571, 45.6913



48.2974, 57.3571, 139.8279



77.2682, 57.3571, 82.8797



# Rectangle

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



61.2471, 57.3571, 20.6749



43.9905, 57.3571, 23.9075



48.2974, 57.3571, 139.8279



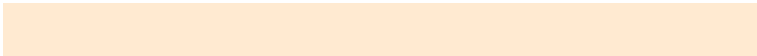
66.5997, 57.3571, 129.1085

# Sweetspot

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



61.2485, 57.3599, 20.6760



82.2310, 84.8084, 72.4222



53.7239, 34.0143, 43.7447



17.2051, 17.6686, 14.4211



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.



61.2485, 57.3599, 20.6760



57.0786, 51.0969, 12.8831



77.6084, 92.8106, 26.6564



18.8315, 19.6312, 18.9410



26.5435, 21.0983, 2.6734

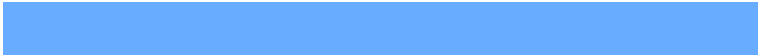


2.6937, 2.2727, 0.2967



# Inverse Universe

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



38.3953, 39.6068, 100.2285



32.3556, 31.9301, 99.0655



29.0931, 20.1134, 96.9562



17.6821, 18.7358, 22.9344



12.8243, 10.5582, 50.7966



1.3561, 1.2429, 4.9817



# Previews

## White Background



This preview shows how the XYZ color 61.2471, 57.3571, 20.6749 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 61.2471, 57.3571, 20.6749 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 61.2471, 57.3571, 20.6749**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.2471, 57.3571, 20.6749.



This preview shows how white text looks on a background with the XYZ color 61.2471, 57.3571,



# 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

61.2471, 57.3571, 20.6749

### Protanopia

52.8763, 57.6069, 22.5197

### Deuteranopia

58.4679, 57.1987, 20.5292



## Tritanopia

66.7641, 57.2618, 56.8240

# Trichromacy



## Original Color

61.2471, 57.3571, 20.6749

## Protanomaly

55.7209, 57.3945, 21.7771

## Deuteranomaly

59.6628, 57.4942, 20.5233

## Tritanomaly

64.2260, 57.2191, 40.4602

# Monochromacy



## Original Color

61.2471, 57.3571, 20.6749

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

54.5943, 55.6897, 42.5221

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.2471, 57.3571, 20.6749 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, 186, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 103)  
}
```

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, 186, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 103) }
```

## Border

The CSS property to change the border of an element to XYZ 61.2471, 57.3571, 20.6749 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, 186, 103) }
```



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

```
.border{ border-color:rgb(255, 186, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
103) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.2471, 57.3571, 20.6749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 103) }
```

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

```
.background{ background-color: rgb(255,  
186, 103) }
```

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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