

# Converting Colors

XYZ(61.0980, 61.0274, 13.7155)

Have a look what the booklet for  
XYZ(61.0980, 61.0274, 13.7155)  
contains.

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# **Color**

**XYZ(61.0945, 61.0213,  
13.7125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCC542
RGB	252, 197, 66
RGB Percent	99%, 77%, 26%
CMY	0.0118, 0.2274, 0.7412
CMYK	0.00, 0.22, 0.74, 0.01
HSL	42°, 97%, 62%
HSV	42°, 74%, 99%
XYZ	61.0945, 61.0213, 13.7125
YIQ	198.5110, 74.8310, -29.0810

# Conversions

## Conversions Part 2

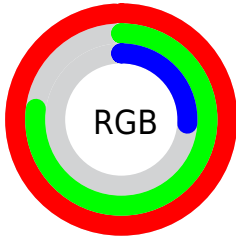
Format	Color
<a href="#">RYB</a>	<a href="#">144, 252, 66</a>
Decimal	<a href="#">16565570</a>
<a href="#">CIELab</a>	<a href="#">82.39, 7.41, 69.39</a>
<a href="#">CIELCh</a>	<a href="#">82, 69.784, 83.901</a>
<a href="#">Yxy</a>	<a href="#">61.0213, 0.4498, 0.4493</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294755650 (0xFFFC542)</a>
<a href="#">YUV</a>	<a href="#">198.5110, -65.3279, 46.9099</a>
<a href="#">Hunter-Lab</a>	<a href="#">78.1161, 2.9013, 44.2735</a>

# Details

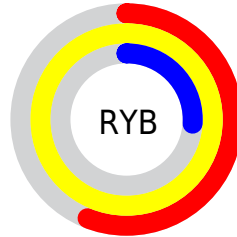
The XYZ color **61.0945, 61.0213, 13.7125** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **26.6546, 21.8606, 94.9095**, and the grayscale version is **54.3431, 57.1732, 62.2616**.

A 20% lighter version of the original color is **79.8781, 92.9157, 32.1369**, and **31.4591, 31.0229, 4.3299** is the 20% darker color. If you saturate the color by 10%, you get **58.8589, 57.4889, 10.0742**, and if you desaturate by 10%, it is **63.7435, 64.8577, 19.1029**.

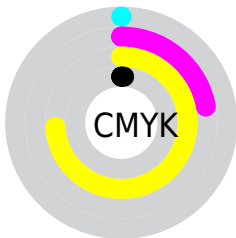
# Distribution



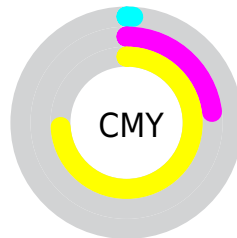
- Red (99%)
- Green (77%)
- Blue (26%)



- Red (56%)
- Yellow (99%)
- Blue (26%)



- Cyan (0%)
- Magenta (22%)
- Yellow (74%)
- Black (1%)



- Cyan (1%)
- Magenta (23%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.0945, 61.0213, 13.7125 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 61.0945, 61.0213, 13.7125 by changing the saturation by 10% instead.



61.0945, 61.0213,  
13.7125

61.0945, 61.0213,  
13.7125

418.3908,  
428.3521, 226.8008

44.5543, 44.2424,  
7.7845

105.5131,  
106.3098, 33.2878

31.3063, 30.8611,  
3.8716

134.1222,  
135.5881, 47.7722

20.9851, 20.4931,  
1.5552

167.4849,  
169.8017, 65.9457

13.2255, 12.7540,  
0.2585

205.9666,  
209.3349, 88.2271

7.6621, 7.2594,  
0.0000

249.9327,  
254.5721, 115.0347

3.9295, 3.6248,  
0.0000

299.7485,

1.6623, 1.4660,

305.8978, 146.7872

0.0000

355.7795,  
363.6964, 183.9030

■ 0.4325, 0.2646,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.0945, 61.0213,  
13.7125

■ 61.0945, 61.0213,  
13.7125

■ 58.8589, 57.4889,  
10.0742

■ 63.7435, 64.8577,  
19.1029

■ 56.9847, 54.2306,  
7.9390

■ 66.8411, 69.0068,  
26.4433

■ 55.9640, 52.3341,  
7.1519

■ 70.4227, 73.4870,  
35.9083

■ 74.5186, 78.3123,  
47.6525

■ 79.1565, 83.4954,  
61.8157

■ 84.3618, 89.0483,  
78.5264

■ 90.1582, 94.9821,  
97.9042

■ 93.9546, 99.4353,  
108.8487

# Harmonies

## Analogous

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



76.5560, 61.0213, 19.7707



61.0945, 61.0213, 13.7125



47.1553, 61.0213, 16.1362

# Triad

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



61.0945, 61.0213, 13.7125



35.5636, 61.0213, 105.5072



84.3444, 61.0213, 127.4082

# Complementary

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



61.0945, 61.0213, 13.7125



26.6546, 21.8606, 94.9095

# 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.



70.3892, 61.0213, 173.1351



61.0945, 61.0213, 13.7125



42.7126, 61.0213, 157.1556

# Square

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



61.0945, 61.0213, 13.7125



33.9342, 61.0213, 58.1048



55.0097, 61.0213, 185.8708



91.3795, 61.0213, 75.5405



# Rectangle

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



61.0945, 61.0213, 13.7125



40.3251, 61.0213, 23.1421



55.0097, 61.0213, 185.8708



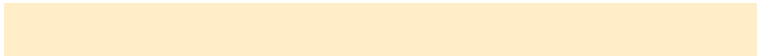
80.2031, 61.0213, 144.7662

# Sweetspot

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



61.0959, 61.0243, 13.7137



82.2322, 86.7688, 66.3859



45.5937, 25.9925, 20.9623



17.3062, 18.2510, 13.2829



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.



61.0959, 61.0243, 13.7137



59.4118, 57.2672, 9.0241



63.7594, 84.4306, 18.0912



18.2687, 19.2732, 18.2196



29.2868, 27.5303, 3.7703



2.8045, 2.7339, 0.3799



# Inverse Universe

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



26.6546, 21.8606, 94.9095



22.6361, 15.6793, 96.4411



25.1359, 13.8208, 93.4377



16.7012, 17.4793, 21.8789



10.5569, 6.4694, 48.6659



1.0655, 0.7748, 4.5366



# Previews

## White Background



This preview shows how the XYZ color 61.0945, 61.0213, 13.7125 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 61.0945, 61.0213, 13.7125 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 61.0945, 61.0213, 13.7125

## Background



This preview shows how black text looks on a background with the XYZ color 61.0945, 61.0213, 13.7125.



This preview shows how white text looks on a background with the XYZ color 61.0945, 61.0213,



# 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

61.0945, 61.0213, 13.7125

### Protanopia

55.7478, 61.3830, 14.3787

### Deuteranopia

62.1664, 60.8547, 15.8668



## Tritanopia

69.3191, 60.9242, 62.1389

# Trichromacy



## Original Color

61.0945, 61.0213, 13.7125

## Protanomaly

57.6290, 61.2943, 14.1038

## Deuteranomaly

61.8490, 61.0451, 15.0017

## Tritanomaly

65.0898, 60.5668, 37.5381

# Monochromacy



## Original Color

61.0945, 61.0213, 13.7125

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

54.6934, 57.5280, 37.4995

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.0945, 61.0213, 13.7125 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(252, 197, 66)` looks like.

```
.text, #text, p{  
    color:rgb(252, 197, 66)  
}
```

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(252, 197, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 197, 66) }
```

## Border

The CSS property to change the border of an element to XYZ 61.0945, 61.0213, 13.7125 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(252, 197, 66) }
```



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

```
.border{ border-color:rgb(252, 197, 66) }
```

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

Here you see how a box with a 4 pixel rgb(252, 197, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 197, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 197, 66);  
box-shadow:4px 4px 4px 4px rgb(252, 197,  
66) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.0945, 61.0213, 13.7125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 197, 66) }
```

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

```
.background{ background-color: rgb(252,  
197, 66) }
```

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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