

# Converting Colors

XYZ(61.5787, 60.5217, 13.0738)

Have a look what the booklet for  
XYZ(61.5787, 60.5217, 13.0738)  
contains.

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# Color

**XYZ(61.6523, 60.6491,  
13.1596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC33F
RGB	255, 195, 63
RGB Percent	100%, 76%, 25%
CMY	0.0000, 0.2353, 0.7529
CMYK	0.00, 0.24, 0.75, 0.00
HSL	41°, 100%, 62%
HSV	41°, 75%, 100%
XYZ	61.6523, 60.6491, 13.1596
YIQ	197.8920, 78.1320, -28.3320

# Conversions

## Conversions Part 2

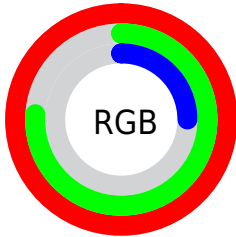
Format	Color
<b>R<sub>YB</sub></b>	150, 255, 63
Decimal	16761663
CIE Lab	82.19, 9.59, 70.41
CIE LCh	82, 71.059, 82.245
Yxy	60.6491, 0.4551, 0.4477
Android (android.graphics.Color)	4294951743 (0xFFFFC33F)
YUV	197.8920, -66.5018, 50.0837
Hunter-Lab	77.8775, 5.0251, 44.4956

# Details

The XYZ color **61.6523, 60.6491, 13.1596** 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 **27.1826, 22.4419, 97.5061**, and the grayscale version is **53.9706, 56.7812, 61.8348**.

A 20% lighter version of the original color is **79.0670, 91.5863, 30.9634**, and **31.9211, 30.8153, 4.2655** is the 20% darker color. If you saturate the color by 10%, you get **59.3602, 56.9538, 9.6566**, and if you desaturate by 10%, it is **64.3721, 64.6728, 18.4327**.

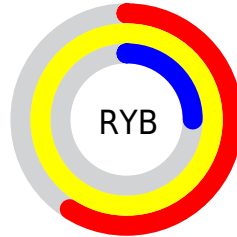
# Distribution



Red (100%)

Green (76%)

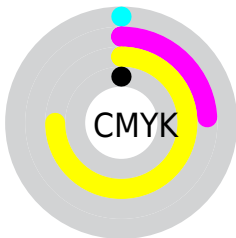
Blue (25%)



Red (59%)

Yellow (100%)

Blue (25%)

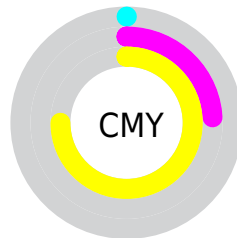


Cyan (0%)

Magenta (24%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (24%)

Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6523, 60.6491, 13.1596 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 61.6523, 60.6491, 13.1596 by changing the saturation by 10% instead.





 61.6523, 60.6491,  
13.1596

 61.6523, 60.6491,  
13.1596


420.3995,  
426.9862, 223.1816

 45.0063, 43.9420,  
7.4065


 106.3156,  
105.7707, 32.2856


 31.6637, 30.6249,  
3.6353


 135.0637,  
134.9540, 46.4956


 21.2591, 20.3134,  
1.4275


 168.5765,  
169.0649, 64.3616

 13.4270, 12.6231,  
0.1630

 207.2195,  
208.4877, 86.3023

 7.8023, 7.1695,  
0.0000

 251.3579,  
253.6068, 112.7361

 4.0194, 3.5683,  
0.0000

301.3571,

 1.7131, 1.4352,

304.8067, 144.0815

0.0000

357.5825,  
362.4717, 180.7572

■ 0.4645, 0.2424,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.6523, 60.6491,  
13.1596

■ 61.6523, 60.6491,  
13.1596

■ 59.3602, 56.9538,  
9.6566

■ 64.3721, 64.6728,  
18.4327

■ 57.4404, 53.5551,  
7.6577

■ 67.5572, 69.0349,  
25.6852

■ 56.6321, 52.0446,  
7.0608

■ 71.2450, 73.7551,  
35.1008

■ 75.4675, 78.8484,  
46.8409

■ 80.2535, 84.3284,  
61.0516

■ 85.6299, 90.2080,  
77.8670

■ 91.6214, 96.4993,  
97.4113

■ 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.



77.3130, 60.6491, 19.6961



61.6523, 60.6491, 13.1596



47.3370, 60.6491, 15.1000

# Triad

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



61.6523, 60.6491, 13.1596



34.7309, 60.6491, 102.7840



83.7837, 60.6491, 131.1562

# Complementary

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



61.6523, 60.6491, 13.1596



27.1826, 22.4419, 97.5061

# 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.



69.3506, 60.6491, 176.7752



61.6523, 60.6491, 13.1596



41.6324, 60.6491, 156.0140

# Square

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



61.6523, 60.6491, 13.1596



33.3962, 60.6491, 55.4399



53.8155, 60.6491, 187.4492



91.4663, 60.6491, 77.9041



# Rectangle

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



61.6523, 60.6491, 13.1596



40.2451, 60.6491, 21.6256



53.8155, 60.6491, 187.4492



79.4521, 60.6491, 148.7017

# Sweetspot

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



61.6537, 60.6521, 13.1608



81.4335, 85.6411, 64.6720



46.6431, 26.2656, 21.6148



17.0353, 17.8902, 12.6347



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.



61.6537, 60.6521, 13.1608



58.4140, 55.3185, 8.5470



66.1118, 87.0629, 18.0236



19.0543, 20.0769, 19.0153



29.7311, 27.4735, 3.7359



2.9925, 2.8704, 0.3963



# Inverse Universe

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



27.1826, 22.4419, 97.5061



22.7576, 16.0216, 96.5008



24.8866, 13.3834, 95.8786



17.4660, 18.3037, 22.8624



11.0348, 6.9792, 50.2001



1.1671, 0.8648, 4.9187



# Previews

## White Background



This preview shows how the XYZ color 61.6523, 60.6491, 13.1596 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 61.6523, 60.6491, 13.1596 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 61.6523, 60.6491, 13.1596

## Background



This preview shows how black text looks on a background with the XYZ color 61.6523, 60.6491, 13.1596.



This preview shows how white text looks on a background with the XYZ color 61.6523, 60.6491,



# 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

61.6523, 60.6491, 13.1596

### Protanopia

55.1278, 60.7140, 13.9677

### Deuteranopia

61.9911, 60.7846, 14.9439



## Tritanopia

68.9919, 60.4550, 61.4588

# Trichromacy



## Original Color

61.6523, 60.6491, 13.1596

## Protanomaly

57.1007, 60.3321, 13.6368

## Deuteranomaly

61.8606, 60.7324, 14.2565

## Tritanomaly

64.8624, 59.8251, 36.5626

# Monochromacy



## Original Color

61.6523, 60.6491, 13.1596

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

54.6045, 57.1625, 36.5893

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.6523, 60.6491, 13.1596 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, 195, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 63)  
}
```

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, 195, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 63) }
```

## Border

The CSS property to change the border of an element to XYZ 61.6523, 60.6491, 13.1596 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, 195, 63) }
```



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

```
.border{ border-color:rgb(255, 195, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
63) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.6523, 60.6491, 13.1596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 63) }
```

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

```
.background{ background-color: rgb(255,  
195, 63) }
```

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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