

# Converting Colors

XYZ(62.5097, 62.8433, 11.9676)

Have a look what the booklet for  
XYZ(62.5097, 62.8433, 11.9676)  
contains.

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# Color

**XYZ(62.4918, 62.8076,  
11.9614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC833
RGB	255, 200, 51
RGB Percent	100%, 78%, 20%
CMY	0.0000, 0.2157, 0.8000
CMYK	0.00, 0.22, 0.80, 0.00
HSL	44°, 100%, 60%
HSV	44°, 80%, 100%
XYZ	62.4918, 62.8076, 11.9614
YIQ	199.4590, 80.6090, -34.6790

# Conversions

## Conversions Part 2

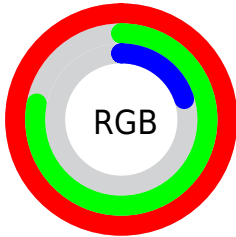
Format	Color
<a href="#">RYB</a>	<a href="#">126, 255, 51</a>
Decimal	<a href="#">16762931</a>
CIELab	<a href="#">83.34, 6.58, 75.49</a>
CIELCh	<a href="#">83, 75.778, 85.018</a>
Yxy	<a href="#">62.8076, 0.4553, 0.4576</a>
Android (android.graphics.Color)	<a href="#">4294953011 (0xFFFFC833)</a>
YUV	<a href="#">199.4590, -73.1903, 48.7095</a>
Hunter-Lab	<a href="#">79.2512, 2.0625, 46.5272</a>

# Details

The XYZ color **62.4918, 62.8076, 11.9614** 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 **24.5693, 18.2316, 96.8310**, and the grayscale version is **54.9696, 57.8323, 62.9793**.

A 20% lighter version of the original color is **79.8145, 93.9058, 28.6708**, and **32.2712, 31.8952, 4.4555** is the 20% darker color. If you saturate the color by 10%, you get **60.5200, 59.5309, 9.2495**, and if you desaturate by 10%, it is **64.8459, 66.3568, 16.3205**.

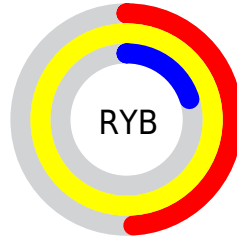
# Distribution



Red (100%)

Green (78%)

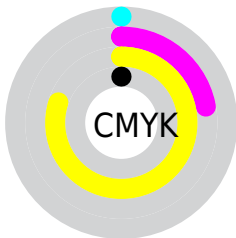
Blue (20%)



Red (49%)

Yellow (100%)

Blue (20%)

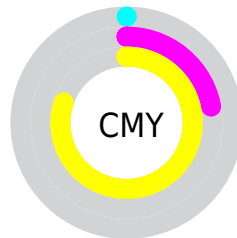


Cyan (0%)

Magenta (22%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4918, 62.8076, 11.9614 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 62.4918, 62.8076, 11.9614 by changing the saturation by 10% instead.



62.4918, 62.8076,  
11.9614

62.4918, 62.8076,  
11.9614

423.4118,  
434.8709, 215.1184

45.6873, 45.6856,  
6.5952

107.5219,  
108.8919, 30.0881

32.2027, 31.9978,  
3.1357

136.4783,  
138.6229, 43.6857

21.6727, 21.3598,  
1.1643

170.2160,  
173.3258, 60.8642

13.7318, 13.3873,  
0.0000

209.1003,  
213.3849, 82.0420

8.0148, 7.6958,  
0.0000

253.4968,  
259.1845, 107.6379

4.1563, 3.9009,  
0.0000

303.7706,

1.7910, 1.6183,

311.1091, 138.0702

0.0000

360.2871,  
369.5431, 173.7575

■ 0.5122, 0.3699,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.4918, 62.8076,  
11.9614

■ 62.4918, 62.8076,  
11.9614

■ 60.5200, 59.5309,  
9.2495

■ 64.8459, 66.3568,  
16.3205

■ 58.8531, 56.4867,  
7.8013

■ 67.6229, 70.1887,  
22.5556

■ 58.8527, 56.4859,  
7.8010

■ 70.8623, 74.3229,  
30.8629

■ 74.5970, 78.7741,  
41.4128

■ 78.8570, 83.5557,  
54.3579

■ 83.6695, 88.6798,  
69.8374

■ 89.0595, 94.1579,  
87.9797

95.0496, 99.9998,  
108.9000

# Harmonies

## Analogous

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



79.7734, 62.8076, 17.7186



62.4918, 62.8076, 11.9614



47.2717, 62.8076, 14.7040

# Triad

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



62.4918, 62.8076, 11.9614



35.3362, 62.8076, 114.4024



89.6114, 62.8076, 134.7424

# Complementary

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



62.4918, 62.8076, 11.9614



24.5693, 18.2316, 96.8310

# 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.



74.1280, 62.8076, 188.0218



62.4918, 62.8076, 11.9614



43.3073, 62.8076, 172.9713

# Square

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



62.4918, 62.8076, 11.9614



33.3623, 62.8076, 60.8028



56.9863, 62.8076, 204.5226



97.1642, 62.8076, 76.5766



# Rectangle

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



62.4918, 62.8076, 11.9614



39.9681, 62.8076, 22.1986



56.9863, 62.8076, 204.5226



85.0376, 62.8076, 154.7083

# Sweetspot

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



62.4932, 62.8107, 11.9626



81.6760, 86.5878, 63.3296



45.1735, 24.7279, 16.8049



17.1184, 18.1447, 12.3905



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.



62.4932, 62.8107, 11.9626



59.4950, 57.6807, 8.2907



63.1642, 85.5779, 16.3218



19.1227, 20.2136, 19.0381



30.8821, 29.7754, 4.1196



3.0973, 3.0800, 0.4313



# Inverse Universe

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



24.5693, 18.2316, 96.8310



20.7754, 12.4813, 95.9219



23.9746, 12.0320, 95.6657



17.4013, 18.1743, 22.8408



10.6398, 6.1892, 50.0684



1.1217, 0.7740, 4.9036



# Previews

## White Background



This preview shows how the XYZ color 62.4918, 62.8076, 11.9614 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 62.4918, 62.8076, 11.9614 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 62.4918, 62.8076, 11.9614

## Background



This preview shows how black text looks on a background with the XYZ color 62.4918, 62.8076, 11.9614.



This preview shows how white text looks on a background with the XYZ color 62.4918, 62.8076,



# 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

62.4918, 62.8076, 11.9614

### Protanopia

56.8028, 62.6924, 12.4752

### Deuteranopia

63.6838, 62.9150, 19.3770



## Tritanopia

70.5315, 62.7859, 64.2786

# Trichromacy



## Original Color

62.4918, 62.8076, 11.9614

## Protanomaly

58.7268, 62.6113, 12.2388

## Deuteranomaly

63.0386, 62.6569, 15.9792

## Tritanomaly

65.7982, 61.9502, 36.0934

# Monochromacy



## Original Color

62.4918, 62.8076, 11.9614

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

54.7477, 57.9513, 35.0883

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4918, 62.8076, 11.9614 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, 200, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 51)  
}
```

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, 200, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4918, 62.8076, 11.9614 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, 200, 51) }
```



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

```
.border{ border-color:rgb(255, 200, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 200, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4918, 62.8076, 11.9614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 51) }
```

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

```
.background{ background-color: rgb(255,  
200, 51) }
```

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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