

# Converting Colors

XYZ(67.2648, 73.0719, 11.3380)

Have a look what the booklet for  
XYZ(67.2648, 73.0719, 11.3380)  
contains.

<b>XYZ(67.2413, 73.0308, 11.3114)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(67.2413, 73.0308,  
11.3114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDD16
RGB	255, 221, 22
RGB Percent	100%, 87%, 9%
CMY	0.0000, 0.1333, 0.9137
CMYK	0.00, 0.13, 0.91, 0.00
HSL	51°, 100%, 54%
HSV	51°, 91%, 100%
XYZ	67.2413, 73.0308, 11.3114
YIQ	208.4800, 84.1430, -54.6810

# Conversions

## Conversions Part 2

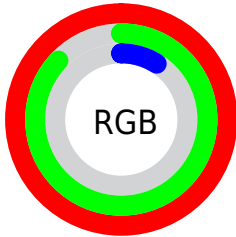
Format	Color
R <sub>Y</sub> B	62, 255, 22
Decimal	16768278
CIE Lab	88.46, -4.75, 86.09
CIE LCh	88, 86.219, 93.156
Yxy	73.0308, 0.4436, 0.4818
Android (android.graphics.Color)	4294958358 (0xFFFFDD16)
YUV	208.4800, -91.9346, 40.7980
Hunter-Lab	85.4581, -9.1018, 51.9729

# Details

The XYZ color **67.2413, 73.0308, 11.3114** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **19.7957, 10.2199, 95.5364**, and the grayscale version is **60.8096, 63.9764, 69.6703**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **35.6285, 38.6099, 5.5746** is the 20% darker color. If you saturate the color by 10%, you get **66.2579, 71.2962, 10.2694**, and if you desaturate by 10%, it is **68.6148, 75.1724, 13.6376**.

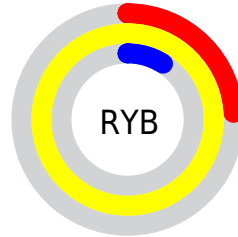
# Distribution



Red (100%)

Green (87%)

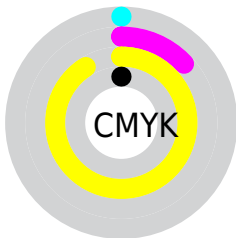
Blue (9%)



Red (24%)

Yellow (100%)

Blue (9%)

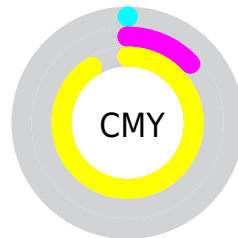


Cyan (0%)

Magenta (13%)

Yellow (91%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2413, 73.0308, 11.3114 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 67.2413, 73.0308, 11.3114 by changing the saturation by 10% instead.





 67.2413, 73.0308,  
11.3114

 67.2413, 73.0308,  
11.3114


440.2222,  
471.1216, 210.6052

 49.5522, 54.0011,  
6.1599


 114.3140,  
123.5209, 28.8800


 35.2740, 38.6026,  
2.8722


 144.4283,  
155.7502, 42.1341


 24.0415, 26.4507,  
1.0297


 179.4149,  
193.1481, 58.9262

 15.4893, 17.1611,  
0.0000

 219.6394,  
236.0991, 79.6749

 9.2521, 10.3494,  
0.0000

 265.4670,  
284.9876, 104.7985

 4.9644, 5.6312,  
0.0000

 317.2631,

 2.2609, 2.6222,

340.1979, 134.7158

0.0000

375.3930,  
402.1144, 169.8452

■ 0.7746, 0.9378,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.2413, 73.0308,  
11.3114

■ 67.2413, 73.0308,  
11.3114


■ 66.2579, 71.2962,  
10.2694

■ 68.6148, 75.1724,  
13.6376


■ 70.3096, 77.4746,  
17.5546


■ 72.3728, 79.9594,  
23.3028


■ 74.8423, 82.6423,  
31.0811

 77.7510, 85.5366,  
41.0626

 81.1285, 88.6543,  
53.4018

 85.0016, 92.0063,  
68.2393

 89.3949, 95.6028,  
85.7046

 94.3316, 99.4532,  
105.9184

# Harmonies

## Analogous

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



89.0213, 73.0308, 14.9502



67.2413, 73.0308, 11.3114



49.8094, 73.0308, 17.1100

# Triad

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



67.2413, 73.0308, 11.3114



41.0965, 73.0308, 159.7553



111.4161, 73.0308, 143.0363

# Complementary

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



67.2413, 73.0308, 11.3114



19.7957, 10.2199, 95.5364

# 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.



93.5856, 73.0308, 218.5574



67.2413, 73.0308, 11.3114



52.9197, 73.0308, 231.1276

# Square

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



67.2413, 73.0308, 11.3114



36.7264, 73.0308, 85.9726



71.6322, 73.0308, 256.7295



117.3253, 73.0308, 73.3951



# Rectangle

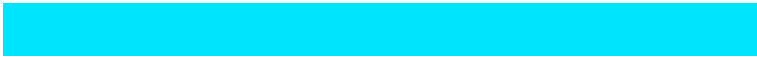
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.2413, 73.0308, 11.3114



42.1431, 73.0308, 28.8163



71.6322, 73.0308, 256.7295



106.4640, 73.0308, 169.5334

# Sweetspot

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



67.2429, 73.0343, 11.3128



82.7576, 90.0890, 59.5651



42.2646, 22.1294, 5.9100



17.4392, 19.0419, 11.7090



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.



67.2429, 73.0343, 11.3128



66.2583, 71.2966, 10.2694



53.2392, 80.5138, 13.4946



19.3221, 20.6123, 19.1045



34.7076, 37.4264, 5.3947



3.4383, 3.7619, 0.5449



# Inverse Universe

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



19.7957, 10.2199, 95.5364



18.7180, 8.5559, 95.2727



23.9951, 10.7112, 95.4099



17.2168, 17.8052, 22.7793



9.8445, 4.5986, 49.8033



1.0193, 0.5692, 4.8694



# Previews

## White Background



This preview shows how the XYZ color 67.2413, 73.0308, 11.3114 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

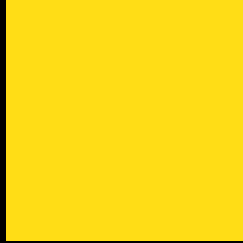
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.2413, 73.0308, 11.3114 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 67.2413, 73.0308, 11.3114**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.2413, 73.0308, 11.3114.



This preview shows how white text looks on a background with the XYZ color 67.2413, 73.0308,



# 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

67.2413, 73.0308, 11.3114

### Protanopia

65.9667, 73.1612, 11.4553

### Deuteranopia

72.0539, 72.8749, 43.0695



## Tritanopia

77.7191, 73.1225, 79.1250

# Trichromacy



## Original Color

67.2413, 73.0308, 11.3114

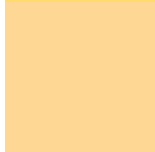
## Protanomaly

66.4208, 72.9999, 11.4002



## Deuteranomaly

69.0717, 72.5069, 24.8228



## Tritanomaly

70.9653, 72.0308, 38.5968

# Monochromacy



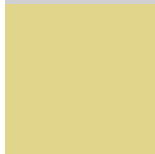
## Original Color

67.2413, 73.0308, 11.3114



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

59.5792, 65.4895, 34.3115

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.2413, 73.0308, 11.3114 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, 221, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 22)  
}
```

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, 221, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 22) }
```

## Border

The CSS property to change the border of an element to XYZ 67.2413, 73.0308, 11.3114 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, 221, 22) }
```



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

```
.border{ border-color:rgb(255, 221, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
22) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.2413, 73.0308, 11.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 22) }
```

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

```
.background{ background-color: rgb(255,  
221, 22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor