

# Converting Colors

XYZ(67.6854, 71.5640, 22.2139)

Have a look what the booklet for  
XYZ(67.6854, 71.5640, 22.2139)  
contains.

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# **Color**

**XYZ(67.6211, 71.4285,  
22.2796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDD964
RGB	253, 217, 100
RGB Percent	99%, 85%, 39%
CMY	0.0078, 0.1490, 0.6078
CMYK	0.00, 0.14, 0.60, 0.01
HSL	46°, 97%, 69%
HSV	46°, 60%, 99%
XYZ	67.6211, 71.4285, 22.2796
YIQ	214.4260, 59.0130, -28.7550

# Conversions

## Conversions Part 2

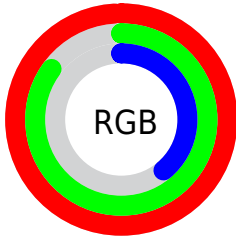
Format	Color
<a href="#">RYB</a>	147, 253, 100
Decimal	16636260
CIELab	87.69, -0.59, 60.93
CIELCh	88, 60.929, 90.557
Yxy	71.4285, 0.4191, 0.4427
Android (android.graphics.Color)	4294826340 (0xFFFD964)
YUV	214.4260, -56.4120, 33.8294
Hunter-Lab	84.5154, -5.0833, 43.5310

# Details

The XYZ color **67.6211, 71.4285, 22.2796** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.7889, 27.4084, 96.5428**, and the grayscale version is **64.5460, 67.9074, 73.9511**.

A 20% lighter version of the original color is **82.8327, 95.1131, 44.5648**, and **35.3863, 37.3676, 7.8302** is the 20% darker color. If you saturate the color by 10%, you get **65.0756, 68.0023, 16.2994**, and if you desaturate by 10%, it is **70.6055, 75.1242, 30.2828**.

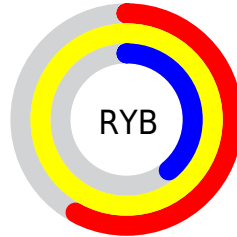
# Distribution



Red (99%)

Green (85%)

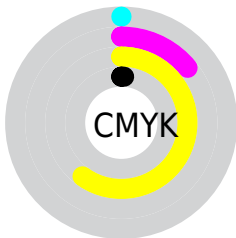
Blue (39%)



Red (58%)

Yellow (99%)

Blue (39%)

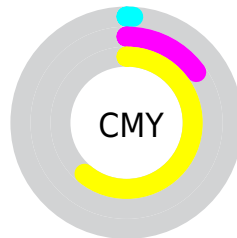


Cyan (0%)

Magenta (14%)

Yellow (60%)

Black (1%)



Cyan (1%)

Magenta (15%)

Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6211, 71.4285, 22.2796 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 67.6211, 71.4285, 22.2796 by changing the saturation by 10% instead.



67.6211, 71.4285,  
22.2796

67.6211, 71.4285,  
22.2796

441.5502,  
465.5500, 277.0039

49.8621, 52.6920,  
13.8622

114.8548,  
121.2437, 48.1158

35.5212, 37.5569,  
7.8872

145.0603,  
153.0911, 66.3717

24.2330, 25.6390,  
3.9361

180.1452,  
190.0776, 88.7441

15.6322, 16.5538,  
1.5904

220.4750,  
232.5875, 115.6517

9.3535, 9.9168,  
0.2839

266.4151,  
281.0053, 147.5129

5.0314, 5.3439,  
0.0000

318.3307,

2.3006, 2.4504,

335.7154, 184.7463

0.0000

376.5873,  
397.1022, 227.7705

■ 0.7950, 0.8516,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.6211, 71.4285,  
22.2796

■ 67.6211, 71.4285,  
22.2796

■ 65.0756, 68.0023,  
16.2994

■ 70.6055, 75.1242,  
30.2828

■ 62.9267, 64.8197,  
12.1454


■ 74.0560, 79.0931,  
40.4727


■ 61.1320, 61.8654,  
9.5890

■ 78.0036, 83.3511,  
53.0011

■ 59.6842, 59.2355,  
8.2879

■ 82.4746, 87.9097,  
68.0050

 87.4936, 92.7796,  
85.6106

 93.0835, 97.9708,  
105.9359

 94.3178, 99.6225,  
108.8657

# Harmonies

## Analogous

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



82.4737, 71.4285, 27.0453



67.6211, 71.4285, 22.2796



54.7308, 71.4285, 27.4293

# Triad

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



67.6211, 71.4285, 22.2796



46.6785, 71.4285, 125.6081



95.0535, 71.4285, 123.7741

# Complementary

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



67.6211, 71.4285, 22.2796



31.7889, 27.4084, 96.5428

# 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.



83.0071, 71.4285, 168.3081



67.6211, 71.4285, 22.2796



55.1367, 71.4285, 169.6047

# Square

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



67.6211, 71.4285, 22.2796



43.7397, 71.4285, 78.5490



68.1609, 71.4285, 187.4613



99.6108, 71.4285, 77.0031



# Rectangle

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



67.6211, 71.4285, 22.2796



48.6271, 71.4285, 37.4043



68.1609, 71.4285, 187.4613



91.6687, 71.4285, 140.0185

# Sweetspot

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



67.6228, 71.4319, 22.2810



85.1725, 90.6914, 73.4027



49.6710, 31.8398, 27.6683



17.9261, 19.1107, 14.6614



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.



67.6228, 71.4319, 22.2810



65.6555, 68.3798, 15.3440



65.3765, 85.5796, 25.1302



19.1777, 20.3237, 19.0564



31.8675, 31.7463, 4.4480



3.1861, 3.2576, 0.4609



# Inverse Universe

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



31.7889, 27.4084, 96.5428



26.3589, 20.2102, 97.1194



32.8100, 21.6316, 95.3740



17.3498, 18.0712, 22.8236



10.3696, 5.6487, 49.9784



1.0891, 0.7089, 4.8927



# Previews

## White Background



This preview shows how the XYZ color 67.6211, 71.4285, 22.2796 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

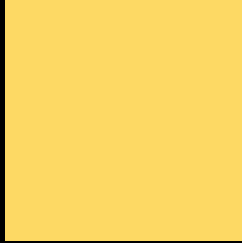
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.6211, 71.4285, 22.2796 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 67.6211, 71.4285, 22.2796**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.6211, 71.4285, 22.2796.



This preview shows how white text looks on a background with the XYZ color 67.6211, 71.4285,



# 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

67.6211, 71.4285, 22.2796

### Protanopia

65.2504, 71.3591, 22.6465

### Deuteranopia

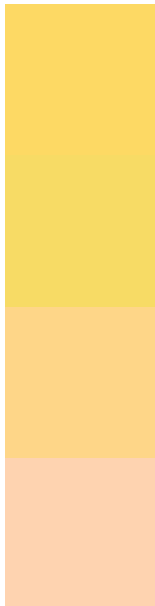
71.0350, 71.2488, 41.4609



## Tritanopia

76.7141, 71.5391, 77.4753

# Trichromacy



## Original Color

67.6211, 71.4285, 22.2796

## Protanomaly

66.0383, 71.3768, 22.6084

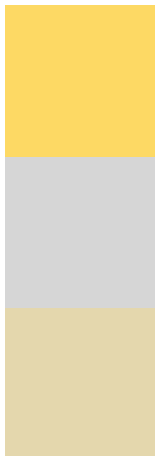
## Deuteranomaly

69.3636, 70.9415, 33.3298

## Tritanomaly

72.0038, 70.7940, 50.9439

# Monochromacy



## Original Color

67.6211, 71.4285, 22.2796

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

63.8382, 68.1120, 49.3175

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.6211, 71.4285, 22.2796 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(253, 217, 100)` looks like.

```
.text, #text, p{  
    color:rgb(253, 217, 100)  
}
```

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(253, 217, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 217, 100) }
```

## Border

The CSS property to change the border of an element to XYZ 67.6211, 71.4285, 22.2796 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(253, 217, 100) }
```



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

```
.border{ border-color:rgb(253, 217, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 217, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 217, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 217, 100);  
box-shadow:4px 4px 4px 4px rgb(253, 217,  
100) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.6211, 71.4285, 22.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 217, 100) }
```

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

```
.background{ background-color: rgb(253,  
217, 100) }
```

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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