

# Converting Colors

XYZ(88.5497, 82.8920, 28.5308)

Have a look what the booklet for  
XYZ(88.5497, 82.8920, 28.5308)  
contains.

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# **Color**

**XYZ(69.8415, 73.2310,  
27.5935)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDB76
RGB	255, 219, 118
RGB Percent	100%, 86%, 46%
CMY	0.0000, 0.1412, 0.5372
CMYK	0.00, 0.14, 0.54, 0.00
HSL	44°, 100%, 73%
HSV	44°, 54%, 100%
XYZ	69.8415, 73.2310, 27.5935
YIQ	218.2500, 53.8770, -23.7790

# Conversions

## Conversions Part 2

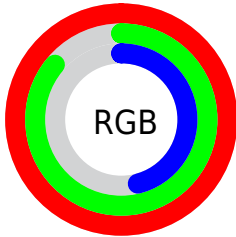
Format	Color
<a href="#">RYB</a>	<a href="#">167, 255, 118</a>
Decimal	<a href="#">16767862</a>
<a href="#">CIELab</a>	<a href="#">88.56, 0.51, 53.71</a>
<a href="#">CIELCh</a>	<a href="#">89, 53.710, 89.453</a>
<a href="#">Yxy</a>	<a href="#">73.2310, 0.4092, 0.4291</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294957942 (0xFFFFDB76)</a>
<a href="#">YUV</a>	<a href="#">218.2500, -49.4232, 32.2298</a>
<a href="#">Hunter-Lab</a>	<a href="#">85.5751, -4.0750, 40.7847</a>

# Details

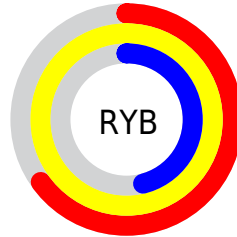
The XYZ color **69.8415, 73.2310, 27.5935** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.0764, 34.1815, 99.2509**, and the grayscale version is **67.1192, 70.6146, 76.8993**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **37.0238, 38.6800, 10.6689** is the 20% darker color. If you saturate the color by 10%, you get **66.8140, 69.2821, 20.0922**, and if you desaturate by 10%, it is **73.3525, 77.4914, 37.2780**.

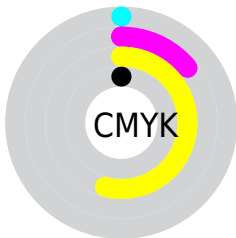
# Distribution



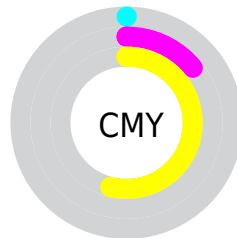
- Red (100%)
- Green (86%)
- Blue (46%)



- Red (65%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (14%)
- Yellow (54%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8415, 73.2310, 27.5935 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 69.8415, 73.2310, 27.5935 by changing the saturation by 10% instead.




 69.8415, 73.2310,  
27.5935

 69.8415, 73.2310,  
27.5935


449.2684,  
471.8150, 304.3700


 51.6765, 54.1649,  
17.7831


 118.0102,  
123.8051, 56.8501

 36.9705, 38.7335,  
10.6265


 148.7446,  
156.0818, 77.1333

 25.3582, 26.5525,  
5.7053


 184.3994,  
193.5309, 101.7445

 16.4743, 17.2374,  
2.6009

225.3401,  
236.5367, 131.1023

 9.9534, 10.4039,  
0.8929

271.9320,  
285.4836, 165.6252

 5.4301, 5.6676,  
0.0000

324.5404,

 2.5391, 2.6440,

340.7561, 205.7318

0.0000

383.5308,  
402.7384, 251.8405

■ 0.9150, 0.9488,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.8415, 73.2310,  
27.5935

■ 69.8415, 73.2310,  
27.5935

■ 66.8140, 69.2821,  
20.0922

■ 73.3525, 77.4914,  
37.2780

■ 64.2300, 65.6191,  
14.5911

■ 77.3725, 82.0665,  
49.2999

■ 62.0511, 62.2280,  
10.8849

■ 81.9313, 86.9723,  
63.8046

■ 60.2288, 59.0882,  
8.7211

■ 87.0549, 92.2202,  
80.9240

■ 59.2239, 57.2280,  
7.9247

■ 92.7671, 97.8213,  
100.7811

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



83.0330, 73.2310, 32.7598



69.8415, 73.2310, 27.5935



58.0705, 73.2310, 32.3856

# Triad

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



69.8415, 73.2310, 27.5935



50.1058, 73.2310, 120.1651



93.3103, 73.2310, 121.7195

# Complementary

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



69.8415, 73.2310, 27.5935



37.0764, 34.1815, 99.2509

# 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.



82.5714, 73.2310, 159.2862



69.8415, 73.2310, 27.5935



57.7069, 73.2310, 158.2104

# Square

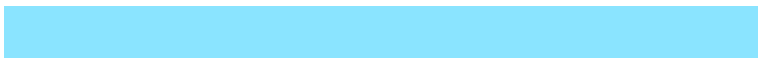
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8415, 73.2310, 27.5935



47.5675, 73.2310, 79.0583



69.3668, 73.2310, 174.3425



97.5711, 73.2310, 80.4178



# Rectangle

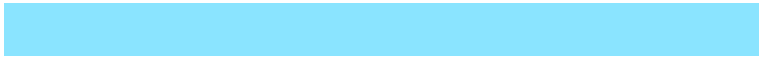
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8415, 73.2310, 27.5935



52.3549, 73.2310, 41.8003



69.3668, 73.2310, 174.3425



90.2777, 73.2310, 135.6181

# Sweetspot

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



69.8432, 73.2345, 27.5950



85.8384, 90.9957, 76.7921



53.5960, 36.5684, 35.0397



18.1429, 19.2430, 15.6625



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.



69.8432, 73.2345, 27.5950



66.7372, 69.1776, 19.9146



69.4718, 88.5211, 30.5652



19.1337, 20.2356, 19.0417



31.0741, 30.1595, 4.1836



3.1147, 3.1147, 0.4370



# Inverse Universe

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



37.0764, 34.1815, 99.2509



31.0627, 26.7230, 98.1286



37.1006, 26.6586, 97.7975



17.3910, 18.1537, 22.8374



10.5827, 6.0750, 50.0494



1.1149, 0.7605, 4.9013



# Previews

## White Background



This preview shows how the XYZ color 69.8415, 73.2310, 27.5935 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

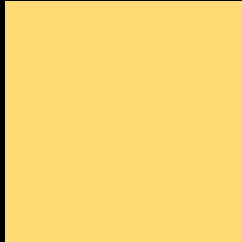
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.8415, 73.2310, 27.5935 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 69.8415, 73.2310, 27.5935

## Background



This preview shows how black text looks on a background with the XYZ color 69.8415, 73.2310, 27.5935.



This preview shows how white text looks on a background with the XYZ color 69.8415, 73.2310,



# 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

69.8415, 73.2310, 27.5935

### Protanopia

67.3736, 73.5197, 28.0925

### Deuteranopia

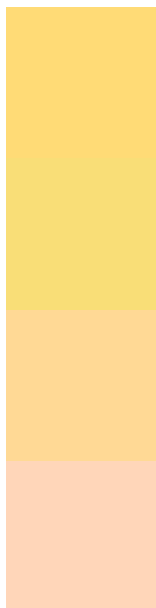
72.7709, 73.1618, 46.8454



## Tritanopia

77.8535, 73.1762, 79.8331

# Trichromacy



## Original Color

69.8415, 73.2310, 27.5935

## Protanomaly

68.5180, 73.7142, 28.0697

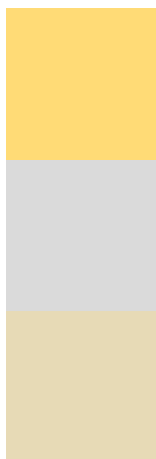
## Deuteranomaly

71.4777, 73.0556, 38.7676

## Tritanomaly

74.0435, 72.8559, 56.0590

# Monochromacy



## Original Color

69.8415, 73.2310, 27.5935

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.4699, 70.5091, 54.3623

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.8415, 73.2310, 27.5935 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, 219, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 118)  
}
```

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, 219, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 69.8415, 73.2310, 27.5935 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, 219, 118) }
```



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

```
.border{ border-color:rgb(255, 219, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.8415, 73.2310, 27.5935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 118) }
```

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

```
.background{ background-color: rgb(255,  
219, 118) }
```

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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