

# Converting Colors

XYZ(160.0957, 121.5928,  
31.6290)

Have a look what the booklet for  
XYZ(160.0957, 121.5928, 31.6290)  
contains.

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# **Color**

**XYZ(71.0480, 75.8323,  
27.4155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE074
RGB	255, 224, 116
RGB Percent	100%, 88%, 45%
CMY	0.0000, 0.1215, 0.5451
CMYK	0.00, 0.12, 0.55, 0.00
HSL	47°, 100%, 73%
HSV	47°, 55%, 100%
XYZ	71.0480, 75.8323, 27.4155
YIQ	220.9570, 53.1440, -27.0160

# Conversions

## Conversions Part 2

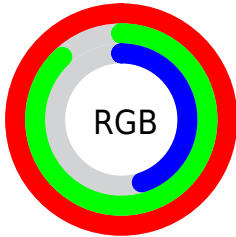
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 255, 116
Decimal	16769140
CIE <sub>Lab</sub>	89.78, -2.18, 56.09
CIE <sub>LCh</sub>	90, 56.132, 92.225
Yxy	75.8323, 0.4076, 0.4351
Android (android.graphics.Color)	4294959220 (0xFFFFE074)
YUV	220.9570, -51.7438, 29.8557
Hunter-Lab	87.0817, -6.7590, 42.2913

# Details

The XYZ color **71.0480, 75.8323, 27.4155** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.6858, 31.7993, 98.8642**, and the grayscale version is **69.0245, 72.6191, 79.0822**.

A 20% lighter version of the original color is **84.2557, 95.6823, 52.0580**, and **37.8501, 40.4706, 10.5193** is the 20% darker color. If you saturate the color by 10%, you get **68.2614, 72.3161, 20.1462**, and if you desaturate by 10%, it is **74.2963, 79.6207, 36.8485**.

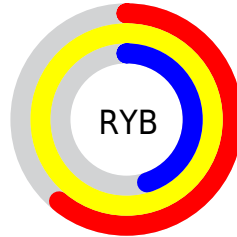
# Distribution



Red (100%)

Green (88%)

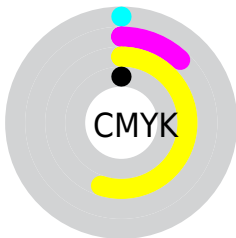
Blue (45%)



Red (61%)

Yellow (100%)

Blue (45%)

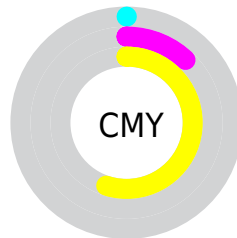


Cyan (0%)

Magenta (12%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0480, 75.8323, 27.4155 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 71.0480, 75.8323, 27.4155 by changing the saturation by 10% instead.





 71.0480, 75.8323,  
27.4155

 71.0480, 75.8323,  
27.4155


453.4304,  
480.7734, 303.4869


 52.6640, 56.2950,  
17.6503


 119.7202,  
127.4898, 56.5617

 37.7610, 40.4395,  
10.5324


 150.7392,  
160.3788, 76.7798

 25.9737, 27.8814,  
5.6432


 186.7005,  
198.4872, 101.3194

 16.9365, 18.2363,  
2.5641

227.9696,  
242.1994, 130.5988

 10.2843, 11.1197,  
0.8738

274.9118,  
291.8997, 165.0368

 5.6515, 6.1474,  
0.0000

327.8924,

 2.6730, 2.9349,

347.9725, 205.0517

0.0000

387.2769,  
410.8023, 251.0623

■ 0.9833, 1.0979,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 71.0480, 75.8323,  
27.4155

■ 71.0480, 75.8323,  
27.4155

■ 68.2614, 72.3161,  
20.1462

■ 74.2963, 79.6207,  
36.8485

■ 65.8966, 69.0468,  
14.8558

■ 78.0319, 83.6836,  
48.6005

■ 63.9149, 66.0108,  
11.3362

■ 82.2843, 88.0366,  
62.8178

■ 62.2672, 63.1879,  
9.3302

■ 87.0794, 92.6907,  
79.6332

■ 61.4661, 61.7126,  
8.6721

■ 92.4409, 97.6563,  
99.1701

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



85.2066, 75.8323, 31.8164



71.0480, 75.8323, 27.4155



58.7931, 75.8323, 33.4092

# Triad

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



71.0480, 75.8323, 27.4155



51.8208, 75.8323, 130.2577



98.2876, 75.8323, 123.4347

# Complementary

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



71.0480, 75.8323, 27.4155



35.6858, 31.7993, 98.8642

# 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.



87.2232, 75.8323, 165.3117



71.0480, 75.8323, 27.4155



60.3694, 75.8323, 170.0571

# Square

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



71.0480, 75.8323, 27.4155



48.6146, 75.8323, 85.5631



73.1145, 75.8323, 184.5782



102.0824, 75.8323, 79.6445



# Rectangle

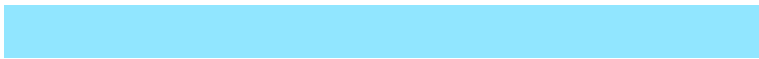
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.0480, 75.8323, 27.4155



53.0166, 75.8323, 44.1192



73.1145, 75.8323, 184.5782



95.2309, 75.8323, 138.6268

# Sweetspot

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



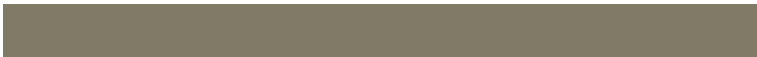
71.0498, 75.8359, 27.4170



86.3293, 91.9776, 76.9557



52.8653, 35.9033, 32.3418



18.2607, 19.4786, 15.7018



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.



71.0498, 75.8359, 27.4170



68.1360, 72.1501, 19.8415



67.8060, 87.6758, 29.8733



19.1975, 20.3631, 19.0630



32.2341, 32.4793, 4.5702



3.2190, 3.3233, 0.4718



# Inverse Universe

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



35.6858, 31.7993, 98.8642



29.6813, 24.3312, 97.7398



37.4455, 26.4905, 97.7467



17.3314, 18.0345, 22.8175



10.2825, 5.4746, 49.9493



1.0783, 0.6872, 4.8891



# Previews

## White Background



This preview shows how the XYZ color 71.0480, 75.8323, 27.4155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

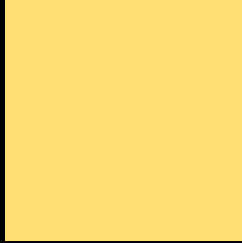
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0480, 75.8323, 27.4155 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 71.0480, 75.8323, 27.4155**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0480, 75.8323, 27.4155.



This preview shows how white text looks on a background with the XYZ color 71.0480, 75.8323,



# 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

71.0480, 75.8323, 27.4155

### Protanopia

69.4742, 75.8168, 27.8020

### Deuteranopia

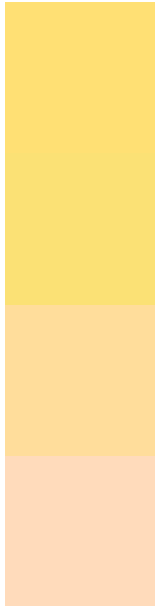
74.8691, 75.6608, 52.7774



## Tritanopia

79.6610, 75.9178, 83.1281

# Trichromacy



## Original Color

71.0480, 75.8323, 27.4155

## Protanomaly

69.9198, 75.6440, 27.7452

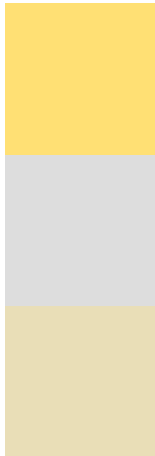
## Deuteranomaly

73.0128, 75.3395, 41.7041

## Tritanomaly

75.5412, 75.5109, 57.6073

# Monochromacy



## Original Color

71.0480, 75.8323, 27.4155

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.2728, 72.9851, 55.2889

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0480, 75.8323, 27.4155 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, 224, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 116)  
}
```

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, 224, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0480, 75.8323, 27.4155 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, 224, 116) }
```



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

```
.border{ border-color:rgb(255, 224, 116) }
```

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

Here you see how a box with a 4 pixel rgb(255, 224, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0480, 75.8323, 27.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 116) }
```

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

```
.background{ background-color: rgb(255,  
224, 116) }
```

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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