

# Converting Colors

XYZ(68.5183, 70.2535, 28.1731)

Have a look what the booklet for  
XYZ(68.5183, 70.2535, 28.1731)  
contains.

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# Color

**XYZ(68.4854, 70.2290,  
28.0351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD579
RGB	255, 213, 121
RGB Percent	100%, 84%, 47%
CMY	0.0000, 0.1647, 0.5255
CMYK	0.00, 0.16, 0.53, 0.00
HSL	41°, 100%, 74%
HSV	41°, 53%, 100%
XYZ	68.4854, 70.2290, 28.0351
YIQ	215.0700, 54.5640, -19.7080

# Conversions

## Conversions Part 2

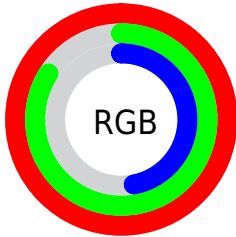
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 255, 121
Decimal	16766329
CIELab	87.11, 3.82, 50.54
CIELCh	87, 50.682, 85.680
Yxy	70.2290, 0.4107, 0.4212
Android (android.graphics.Color)	4294956409 (0xFFFFD579)
YUV	215.0700, -46.3765, 35.0186
Hunter-Lab	83.8027, -0.7808, 38.8272

# Details

The XYZ color **68.4854, 70.2290, 28.0351** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.0317, 37.4777, 99.7840**, and the grayscale version is **64.9187, 68.2995, 74.3781**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **36.2373, 36.9617, 10.8546** is the 20% darker color. If you saturate the color by 10%, you get **65.1633, 65.7653, 20.2061**, and if you desaturate by 10%, it is **72.3232, 75.0628, 38.0762**.

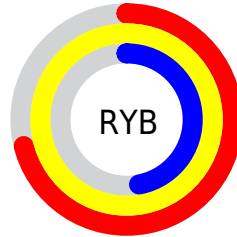
# Distribution



Red (100%)

Green (84%)

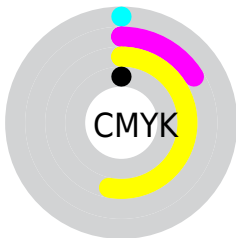
Blue (47%)



Red (71%)

Yellow (100%)

Blue (47%)

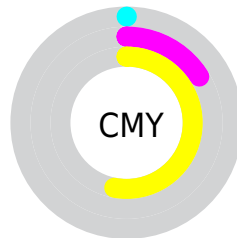


Cyan (0%)

Magenta (16%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4854, 70.2290, 28.0351 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 68.4854, 70.2290, 28.0351 by changing the saturation by 10% instead.




 68.4854, 70.2290,  
28.0351

 68.4854, 70.2290,  
28.0351


444.5637,  
461.3537, 306.5518


 50.5678, 51.7132,  
18.1128


 116.0844,  
119.5353, 57.5643

 36.0844, 36.7766,  
10.8608


 146.4965,  
151.0946, 78.0082

 24.6698, 25.0345,  
5.8603


 181.8042,  
187.7705, 102.7965

 15.9587, 16.1028,  
2.6929

222.3728,  
229.9475, 132.3477

 9.5856, 9.5969,  
0.9399

268.5677,  
278.0099, 167.0803

 5.1852, 5.1325,  
0.0000

320.7543,

 2.3922, 2.3252,

332.3421, 207.4128

0.0000

379.2978,  
393.3286, 253.7638

■ 0.8412, 0.7870,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.4854, 70.2290,  
28.0351

■ 68.4854, 70.2290,  
28.0351

■ 65.1633, 65.7653,  
20.2061

■ 72.3232, 75.0628,  
38.0762

■ 62.3171, 61.6456,  
14.4091

■ 76.7028, 80.2713,  
50.4822

■ 59.9086, 57.8549,  
10.4423

■ 81.6541, 85.8714,  
65.3968

■ 57.8897, 54.3716,  
8.0599

■ 87.2033, 91.8756,  
82.9513

■ 56.5866, 51.9535,  
7.0456

■ 93.3748, 98.2958,  
103.2676

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.



80.4713, 70.2290, 34.1727



68.4854, 70.2290, 28.0351



57.3355, 70.2290, 31.3734

# Triad

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



68.4854, 70.2290, 28.0351



48.2128, 70.2290, 108.4545



87.4431, 70.2290, 119.5855

# Complementary

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



68.4854, 70.2290, 28.0351



39.0317, 37.4777, 99.7840

# 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.



77.1437, 70.2290, 151.8491



68.4854, 70.2290, 28.0351



54.6854, 70.2290, 144.1987

# Square

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



68.4854, 70.2290, 28.0351



46.4706, 70.2290, 71.6464



65.0453, 70.2290, 161.9787



92.2093, 70.2290, 81.5000



# Rectangle

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



68.4854, 70.2290, 28.0351



51.7092, 70.2290, 39.2715



65.0453, 70.2290, 161.9787



84.4579, 70.2290, 131.8659

# Sweetspot

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



68.4871, 70.2323, 28.0365



85.2190, 89.7569, 76.5856



54.7274, 37.5952, 39.2271



17.9945, 18.9462, 15.6130



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.



68.4871, 70.2323, 28.0365



65.0249, 65.5721, 19.9017



71.9835, 89.7949, 31.6282



19.0529, 20.0739, 19.0148



29.7075, 27.4262, 3.7280



2.9903, 2.8660, 0.3956



# Inverse Universe

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



39.0317, 37.4777, 99.7840



32.7810, 29.7760, 98.6273



36.6651, 26.9668, 97.8799



17.4674, 18.3065, 22.8628



11.0440, 6.9975, 50.2032



1.1681, 0.8669, 4.9190



# Previews

## White Background



This preview shows how the XYZ color 68.4854, 70.2290, 28.0351 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 68.4854, 70.2290, 28.0351 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 68.4854, 70.2290, 28.0351**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.4854, 70.2290, 28.0351.



This preview shows how white text looks on a background with the XYZ color 68.4854, 70.2290,



# 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

68.4854, 70.2290, 28.0351

### Protanopia

64.8418, 70.6184, 28.9521

### Deuteranopia

70.4507, 70.2151, 40.8501



## **Tritanopia**

75.7262, 69.9846, 75.8468

# Trichromacy



## Original Color

68.4854, 70.2290, 28.0351

## Protanomaly

65.9819, 70.4433, 28.5317

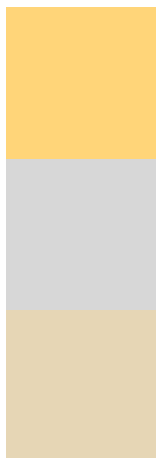
## Deuteranomaly

69.7414, 70.3301, 35.8859

## Tritanomaly

72.3431, 69.7906, 54.4578

# Monochromacy



## Original Color

68.4854, 70.2290, 28.0351

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

65.0202, 68.2523, 53.4631

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.4854, 70.2290, 28.0351 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, 213, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 121)  
}
```

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, 213, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 68.4854, 70.2290, 28.0351 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, 213, 121) }
```



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

```
.border{ border-color:rgb(255, 213, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.4854, 70.2290, 28.0351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 121) }
```

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

```
.background{ background-color: rgb(255,  
213, 121) }
```

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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