

# Converting Colors

XYZ(67.9340, 68.3110, 30.3642)

Have a look what the booklet for  
XYZ(67.9340, 68.3110, 30.3642)  
contains.

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# Color

**XYZ(68.0029, 68.4459,  
30.3961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD181
RGB	255, 209, 129
RGB Percent	100%, 82%, 51%
CMY	0.0000, 0.1804, 0.4941
CMYK	0.00, 0.18, 0.49, 0.00
HSL	38°, 100%, 75%
HSV	38°, 49%, 100%
XYZ	68.0029, 68.4459, 30.3961
YIQ	213.6340, 53.0960, -15.1280

# Conversions

## Conversions Part 2

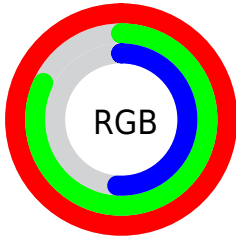
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 255, 129
Decimal	16765313
CIE <sub>Lab</sub>	86.23, 6.56, 45.54
CIE <sub>LCh</sub>	86, 46.014, 81.809
Yxy	68.4459, 0.4076, 0.4102
Android (android.graphics.Color)	4294955393 (0xFFFFD181)
YUV	213.6340, -41.7246, 36.2780
Hunter-Lab	82.7320, 1.9398, 36.1290

# Details

The XYZ color **68.0029, 68.4459, 30.3961** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.4326, 42.5454, 100.5831**, and the grayscale version is **63.9185, 67.2472, 73.2322**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **35.8614, 35.7285, 12.2139** is the 20% darker color. If you saturate the color by 10%, you get **64.2978, 63.4183, 21.8167**, and if you desaturate by 10%, it is **72.2677, 73.9161, 41.2500**.

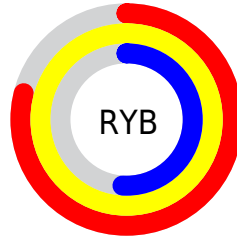
# Distribution



Red (100%)

Green (82%)

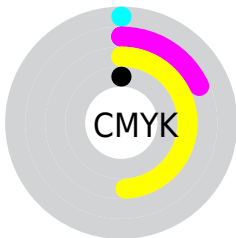
Blue (51%)



Red (79%)

Yellow (100%)

Blue (51%)

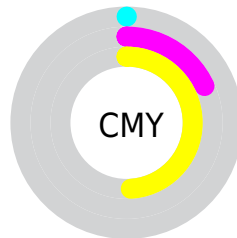


Cyan (0%)

Magenta (18%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0029, 68.4459, 30.3961 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 68.0029, 68.4459, 30.3961 by changing the saturation by 10% instead.





 68.0029, 68.4459,  
30.3961

 68.0029, 68.4459,  
30.3961

442.8829,  
455.0742, 318.0110

 50.1738, 50.2606,  
19.8848


 115.3982,  
116.9898, 61.3564

 35.7699, 35.6205,  
12.1281


 145.6950,  
148.1172, 82.6425

 24.4258, 24.1412,  
6.7074


 180.8785,  
184.3274, 108.3574

 15.7762, 15.4384,  
3.2041

221.3140,  
226.0048, 138.9195

 9.4558, 9.1277,  
1.1998

267.3668,  
273.5337, 174.7473

 5.0991, 4.8245,  
0.0000

319.4023,

 2.3409, 2.1447,

327.2987, 216.2595

0.0000

377.7859,  
387.6841, 263.8746

■ 0.8155, 0.6896,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.0029, 68.4459,  
30.3961

■ 68.0029, 68.4459,  
30.3961

■ 64.2978, 63.4183,  
21.8167

■ 72.2677, 73.9161,  
41.2500

■ 61.1132, 58.8061,  
15.3379

■ 77.1182, 79.8350,  
54.5264

■ 58.4116, 54.5934,  
10.7674

■ 82.5844, 86.2207,  
70.3656

■ 56.1472, 50.7580,  
7.8751

■ 88.6927, 93.0871,  
88.8959

■ 54.2505, 47.2681,  
6.3075

95.0499, 99.9999,  
108.9000

■ 54.1455, 47.0713,  
6.2319

# Harmonies

## Analogous

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



78.4878, 68.4459, 37.4205



68.0029, 68.4459, 30.3961



57.7742, 68.4459, 32.4090

# Triad

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



68.0029, 68.4459, 30.3961



47.9093, 68.4459, 98.3814



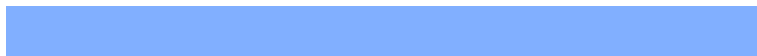
82.4244, 68.4459, 116.7524

# Complementary

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



68.0029, 68.4459, 30.3961



42.4326, 42.5454, 100.5831

# 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.



72.9248, 68.4459, 142.9120



68.0029, 68.4459, 30.3961



53.2509, 68.4459, 130.4567

# Square

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



68.0029, 68.4459, 30.3961



46.8965, 68.4459, 66.5154



62.1951, 68.4459, 148.5125



87.3851, 68.4459, 83.1551



# Rectangle

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



68.0029, 68.4459, 30.3961



52.3931, 68.4459, 38.9368



62.1951, 68.4459, 148.5125



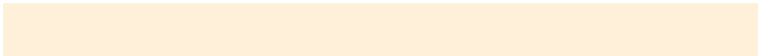
79.6101, 68.4459, 127.0466

# Sweetspot

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



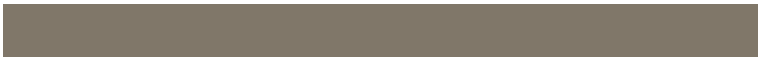
68.0046, 68.4492, 30.3975



85.1983, 89.1896, 78.2002



56.8481, 40.0641, 45.3981



17.9652, 18.7840, 15.9225



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.



68.0046, 68.4492, 30.3975



64.4398, 63.6168, 22.1266



75.0496, 91.3166, 34.4400



18.9710, 19.9103, 18.9875



28.4395, 24.8902, 3.3054



2.8732, 2.6317, 0.3565



# Inverse Universe

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



42.4326, 42.5454, 100.5831



36.3019, 35.1540, 99.4798



37.7194, 29.0140, 98.2197



17.5459, 18.4633, 22.8890



11.6099, 8.1295, 50.3918



1.2301, 0.9909, 4.9397



# Previews

## White Background



This preview shows how the XYZ color 68.0029, 68.4459, 30.3961 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 68.0029, 68.4459, 30.3961 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

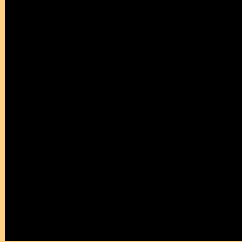
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.0029, 68.4459, 30.3961

## Background



This preview shows how black text looks on a background with the XYZ color 68.0029, 68.4459, 30.3961.



This preview shows how white text looks on a background with the XYZ color 68.0029, 68.4459,



# 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

68.0029, 68.4459, 30.3961

### Protanopia

63.3128, 68.6105, 31.7360

### Deuteranopia

69.1412, 68.5099, 37.5966



## Tritanopia

74.4981, 68.3561, 72.8859

# Trichromacy



## Original Color

68.0029, 68.4459, 30.3961

## Protanomaly

64.8531, 68.2819, 31.2343

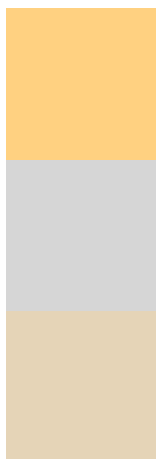
## Deuteranomaly

68.6036, 68.2948, 34.7657

## Tritanomaly

71.6186, 68.3415, 54.2163

# Monochromacy



## Original Color

68.0029, 68.4459, 30.3961

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

64.4038, 67.1639, 54.3692

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.0029, 68.4459, 30.3961 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, 209, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 129)  
}
```

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, 209, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 68.0029, 68.4459, 30.3961 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, 209, 129) }
```



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

```
.border{ border-color:rgb(255, 209, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.0029, 68.4459, 30.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 129) }
```

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

```
.background{ background-color: rgb(255,  
209, 129) }
```

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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