

# Converting Colors

XYZ(68.4735, 69.1723, 31.2165)

Have a look what the booklet for  
XYZ(68.4735, 69.1723, 31.2165)  
contains.

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# Color

**XYZ(68.3833, 68.9919,  
31.1853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD283
RGB	255, 210, 131
RGB Percent	100%, 82%, 51%
CMY	0.0000, 0.1764, 0.4863
CMYK	0.00, 0.18, 0.49, 0.00
HSL	38°, 100%, 76%
HSV	38°, 49%, 100%
XYZ	68.3833, 68.9919, 31.1853
YIQ	214.4490, 52.1790, -15.0290

# Conversions

## Conversions Part 2

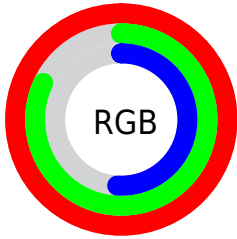
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 255, 131
Decimal	16765571
CIE <sub>Lab</sub>	86.50, 6.22, 44.89
CIE <sub>LCh</sub>	87, 45.319, 82.112
Yxy	68.9919, 0.4057, 0.4093
Android (android.graphics.Color)	4294955651 (0xFFFFD283)
YUV	214.4490, -41.1404, 35.5632
Hunter-Lab	83.0614, 1.5993, 35.8826

# Details

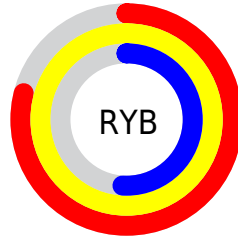
The XYZ color **68.3833, 68.9919, 31.1853** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.9347, 43.0942, 100.6625**, and the grayscale version is **64.4647, 67.8219, 73.8581**.

A 20% lighter version of the original color is **85.7570, 96.2828, 59.9635**, and **36.1014, 36.0919, 12.6531** is the 20% darker color. If you saturate the color by 10%, you get **64.6449, 63.9489, 22.4366**, and if you desaturate by 10%, it is **72.6825, 74.4758, 42.2204**.

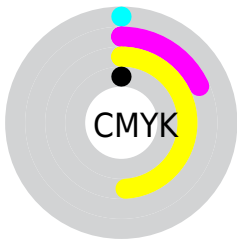
# Distribution



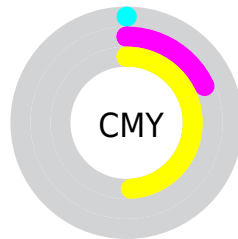
- Red (100%)
- Green (82%)
- Blue (51%)



- 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 68.3833, 68.9919, 31.1853 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 68.3833, 68.9919, 31.1853 by changing the saturation by 10% instead.





 68.3833, 68.9919,  
31.1853

 68.3833, 68.9919,  
31.1853


444.2083,  
457.0024, 321.7687


 50.4844, 50.7051,  
20.4803


 115.9392,  
117.7700, 62.6147

 36.0178, 35.9740,  
12.5572


 146.3270,  
149.0301, 84.1762

 24.6182, 24.4141,  
6.9972


 181.6084,  
185.3835, 110.1936

 15.9200, 15.6411,  
3.3819

222.1489,  
227.2144, 141.0855

 9.5581, 9.2705,  
1.2928

268.3138,  
274.9074, 177.2705

 5.1669, 4.9181,  
0.0559

320.4684,

 2.3813, 2.1993,

328.8468, 219.1669

0.0000

378.9781,  
389.4170, 267.1935

■ 0.8358, 0.7196,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.3833, 68.9919,  
31.1853

■ 68.3833, 68.9919,  
31.1853

■ 64.6449, 63.9489,  
22.4366

■ 72.6825, 74.4758,  
42.2204

■ 61.4282, 59.3197,  
15.8021

■ 77.5681, 80.4065,  
55.6889

■ 58.6964, 55.0888,  
11.0918

■ 83.0700, 86.8018,  
71.7301

■ 56.4044, 51.2341,  
8.0789

■ 89.2143, 93.6756,  
90.4715

■ 54.4885, 47.7266, 95.0498, 99.9999,  
6.4409 108.9000

■ 54.2435, 47.2672,  
6.2645

# Harmonies

## Analogous

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



78.7643, 68.9919, 38.1186



68.3833, 68.9919, 31.1853



58.2685, 68.9919, 33.2921

# Triad

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



68.3833, 68.9919, 31.1853



48.6000, 68.9919, 99.0416



82.8244, 68.9919, 116.4945

# Complementary

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



68.3833, 68.9919, 31.1853



42.9347, 43.0942, 100.6625

# 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.



73.4676, 68.9919, 142.3894



68.3833, 68.9919, 31.1853



53.9465, 68.9919, 130.5839

# Square

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



68.3833, 68.9919, 31.1853



47.5486, 68.9919, 67.4650



62.8441, 68.9919, 148.1377



87.6627, 68.9919, 83.3342



# Rectangle

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



68.3833, 68.9919, 31.1853



52.9524, 68.9919, 39.8870



62.8441, 68.9919, 148.1377



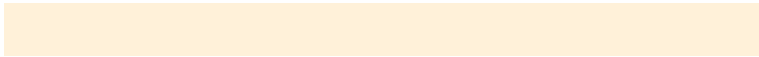
80.0586, 68.9919, 126.6656

# Sweetspot

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



68.3850, 68.9952, 31.1867



85.2230, 89.2389, 78.2084



57.2393, 40.6463, 46.1462



17.9712, 18.7960, 15.9245



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.



68.3850, 68.9952, 31.1867



64.8637, 64.2528, 22.9209



75.2735, 91.4165, 35.1514



18.9745, 19.9172, 18.9887



28.4904, 24.9921, 3.3224



2.8779, 2.6412, 0.3581



# Inverse Universe

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



42.9347, 43.0942, 100.6625



36.8295, 35.7600, 99.5690



38.2954, 29.7058, 98.3228



17.5426, 18.4567, 22.8879



11.5841, 8.0777, 50.3832



1.2273, 0.9854, 4.9388



# Previews

## White Background



This preview shows how the XYZ color 68.3833, 68.9919, 31.1853 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 68.3833, 68.9919, 31.1853 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 68.3833, 68.9919, 31.1853**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.3833, 68.9919, 31.1853.



This preview shows how white text looks on a background with the XYZ color 68.3833, 68.9919,



# 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

68.3833, 68.9919, 31.1853

### Protanopia

64.0410, 69.3515, 32.5651

### Deuteranopia

69.6264, 69.0953, 38.9452



## Tritanopia

74.8617, 68.8782, 73.6392

# Trichromacy



## Original Color

68.3833, 68.9919, 31.1853

## Protanomaly

65.5884, 69.0197, 32.0556

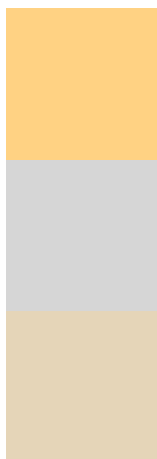
## Deuteranomaly

69.0745, 68.8745, 36.0391

## Tritanomaly

71.9630, 68.8633, 54.8465

# Monochromacy



## Original Color

68.3833, 68.9919, 31.1853

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

64.7591, 67.7072, 55.0030

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.3833, 68.9919, 31.1853 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, 210, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 131)  
}
```

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, 210, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 68.3833, 68.9919, 31.1853 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, 210, 131) }
```



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

```
.border{ border-color:rgb(255, 210, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.3833, 68.9919, 31.1853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 131) }
```

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

```
.background{ background-color: rgb(255,  
210, 131) }
```

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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