

Converting Colors

XYZ(67.9251, 67.9658, 31.3704)

Have a look what the booklet for
XYZ(67.9251, 67.9658, 31.3704)
contains.

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Color

**XYZ(67.9607, 68.0377,
31.3805)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD084
RGB	255, 208, 132
RGB Percent	100%, 82%, 52%
CMY	0.0000, 0.1843, 0.4823
CMYK	0.00, 0.18, 0.48, 0.00
HSL	37°, 100%, 76%
HSV	37°, 48%, 100%
XYZ	67.9607, 68.0377, 31.3805
YIQ	213.3890, 52.4080, -13.6720

Conversions

Conversions Part 2

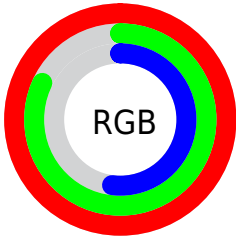
Format	Color
R_{YB}	208, 255, 132
Decimal	16765060
CIE _{Lab}	86.03, 7.34, 43.80
CIE _{LCh}	86, 44.408, 80.485
Yxy	68.0377, 0.4060, 0.4065
Android (android.graphics.Color)	4294955140 (0xFFFFD084)
YUV	213.3890, -40.1248, 36.4928
Hunter-Lab	82.4850, 2.7203, 35.1832

Details

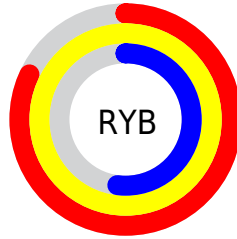
The XYZ color **67.9607, 68.0377, 31.3805** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.6852, 44.3640, 100.8680**, and the grayscale version is **63.7437, 67.0633, 73.0320**.

A 20% lighter version of the original color is **85.8629, 96.3252, 60.5215**, and **35.8058, 35.4410, 12.7382** is the 20% darker color. If you saturate the color by 10%, you get **64.1221, 62.8200, 22.5189**, and if you desaturate by 10%, it is **72.3751, 73.7243, 42.5393**.

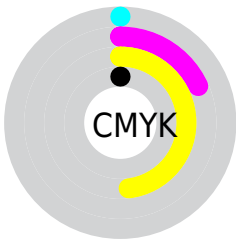
Distribution



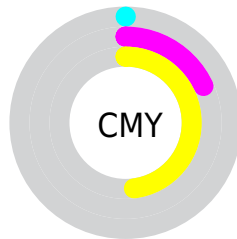
- Red (100%)
- Green (82%)
- Blue (52%)



- Red (82%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (18%)
- Yellow (48%)
- Black (0%)





- Cyan (0%)
- Magenta (18%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.9607, 68.0377, 31.3805 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 67.9607, 68.0377, 31.3805 by changing the saturation by 10% instead.


 67.9607, 68.0377,
31.3805

 67.9607, 68.0377,
31.3805


442.7357,
453.6296, 322.6928


 50.1393, 49.9284,
20.6279


 115.3381,
116.4061, 62.9252

 35.7424, 35.3565,
12.6637


 145.6249,
147.4339, 84.5544

 24.4045, 23.9376,
7.0694


 180.7975,
183.5368, 110.6461

 15.7603, 15.2874,
3.4264

221.2213,
225.0990, 141.6190

 9.4445, 9.0213,
1.3163

267.2617,
272.5050, 177.8916

 5.0916, 4.7551,
0.0751

319.2840,

 2.3364, 2.1043,

326.1392, 219.8824

0.0000

377.6535,
386.3859, 268.0099

■ 0.8132, 0.6670,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.9607, 68.0377,
31.3805

■ 67.9607, 68.0377,
31.3805

■ 64.1221, 62.8200,
22.5189

■ 72.3751, 73.7243,
42.5393

■ 60.8199, 58.0437,
15.7831

■ 77.3911, 79.8866,
56.1417

■ 58.0173, 53.6922,
10.9837

■ 83.0390, 86.5430,
72.3268

■ 55.6689, 49.7431,
7.8958

■ 89.3452, 93.7081,
91.2220

■ 53.7132, 46.1672, 95.0498, 99.9999,
6.2095 108.9000

■ 53.3940, 45.5683,
5.9814

Harmonies

Analogous

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



77.9512, 68.0377, 38.6801



67.9607, 68.0377, 31.3805



58.0512, 68.0377, 32.9724

Triad

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



67.9607, 68.0377, 31.3805



47.9970, 68.0377, 95.5025



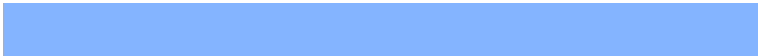
80.9893, 68.0377, 115.8230

Complementary

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



67.9607, 68.0377, 31.3805



43.6852, 44.3640, 100.8680

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.



71.7690, 68.0377, 140.0501



67.9607, 68.0377, 31.3805



52.9862, 68.0377, 126.3427

Square

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



67.9607, 68.0377, 31.3805



47.2068, 68.0377, 65.1882



61.4830, 68.0377, 144.3374



85.9773, 68.0377, 83.7489

Rectangle

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



67.9607, 68.0377, 31.3805



52.7641, 68.0377, 39.0772



61.4830, 68.0377, 144.3374



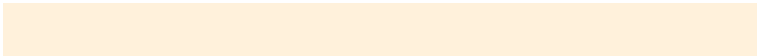
78.2393, 68.0377, 125.4735

Sweetspot

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



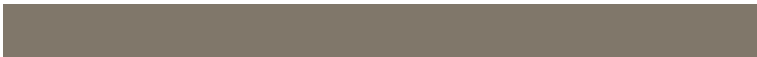
67.9624, 68.0409, 31.3819



85.6278, 89.5144, 79.9900



57.6434, 41.0239, 47.6084



18.0424, 18.8333, 16.2723



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.



67.9624, 68.0409, 31.3819



64.2060, 62.9374, 22.7016



76.0811, 91.8249, 35.5447



18.9442, 19.8565, 18.9786



28.0485, 24.1082, 3.1750



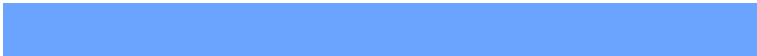
2.8366, 2.5586, 0.3444

Inverse Universe

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



43.6852, 44.3640, 100.8680



37.3307, 36.7626, 99.7361



38.2183, 29.8665, 98.3578



17.5719, 18.5153, 22.8976



11.8186, 8.5469, 50.4614



1.2523, 1.0354, 4.9471

Previews

White Background



This preview shows how the XYZ color 67.9607, 68.0377, 31.3805 looks on a white background.

Color Contrast Check

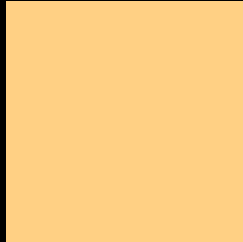
Large Text (above 18pt) WCAG AA × Fail

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 67.9607, 68.0377, 31.3805 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 67.9607, 68.0377, 31.3805

Background



This preview shows how black text looks on a background with the XYZ color 67.9607, 68.0377, 31.3805.



This preview shows how white text looks on a background with the XYZ color 67.9607, 68.0377,

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

67.9607, 68.0377, 31.3805

Protanopia

62.9346, 68.0123, 32.7324

Deuteranopia

68.8193, 67.9922, 37.1004



Tritanopia

74.2642, 67.8883, 72.8079

Trichromacy



Original Color

67.9607, 68.0377, 31.3805

Protanomaly

64.4645, 67.6854, 32.2212

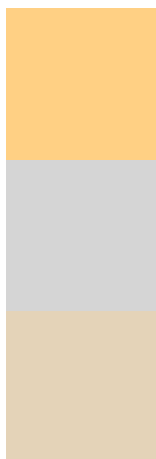
Deuteranomaly

68.4353, 67.8386, 35.0784

Tritanomaly

71.4846, 67.9064, 54.6870

Monochromacy



Original Color

67.9607, 68.0377, 31.3805

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.9409, 66.5432, 54.8215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9607, 68.0377, 31.3805 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, 208, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 132)  
}
```

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, 208, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 132) }
```

Border

The CSS property to change the border of an element to XYZ 67.9607, 68.0377, 31.3805 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, 208, 132) }
```


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

```
.border{ border-color:rgb(255, 208, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9607, 68.0377, 31.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 132) }
```

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

```
.background{ background-color: rgb(255,  
208, 132) }
```

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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