

Converting Colors

XYZ(68.3374, 64.7275, 30.1998)

Have a look what the booklet for
XYZ(68.3374, 64.7275, 30.1998)
contains.

XYZ(65.5308, 63.2869, 30.2345)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(65.5308, 63.2869,
30.2345)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC683
RGB	255, 198, 131
RGB Percent	100%, 78%, 51%
CMY	0.0000, 0.2235, 0.4863
CMYK	0.00, 0.22, 0.49, 0.00
HSL	32°, 100%, 76%
HSV	32°, 49%, 100%
XYZ	65.5308, 63.2869, 30.2345
YIQ	207.4050, 55.4790, -8.7530

Conversions

Conversions Part 2

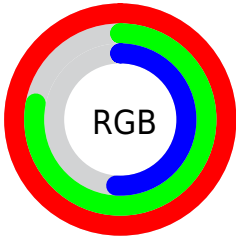
Format	Color
R _Y B	236, 255, 131
Decimal	16762499
CIE Lab	83.59, 12.43, 41.23
CIE LCh	84, 43.065, 73.222
Yxy	63.2869, 0.4120, 0.3979
Android (android.graphics.Color)	4294952579 (0xFFFFC683)
YUV	207.4050, -37.6677, 41.7408
Hunter-Lab	79.5531, 7.8192, 33.1537

Details

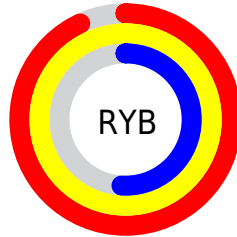
The XYZ color **65.5308, 63.2869, 30.2345** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.3925, 48.0097, 101.4817**, and the grayscale version is **59.7813, 62.8946, 68.4922**.

A 20% lighter version of the original color is **85.7570, 96.2828, 59.9635**, and **34.1862, 32.2615, 12.0147** is the 20% darker color. If you saturate the color by 10%, you get **61.4348, 57.5288, 21.3665**, and if you desaturate by 10%, it is **70.2625, 69.6359, 41.4137**.

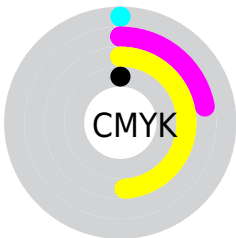
Distribution



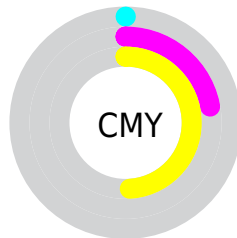
- Red (100%)
- Green (78%)
- Blue (51%)



- Red (93%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (22%)
- Yellow (49%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.5308, 63.2869, 30.2345 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 65.5308, 63.2869, 30.2345 by changing the saturation by 10% instead.


 65.5308, 63.2869,
30.2345


 65.5308, 63.2869,
30.2345


434.2121,
436.6100, 317.2373


 48.1579, 46.0733,
19.7631


 111.8741,
109.5833, 61.0982

 34.1637, 32.3037,
12.0406


 141.5752,
139.4350, 82.3276

 23.1829, 21.5936,
6.6484

 176.1165,
174.2681, 107.9800

 14.8501, 13.5586,
3.1681

215.8632,
214.4671, 138.4741

 8.7998, 7.8143,
1.1811

261.1808,
260.4164, 174.2283

 4.6669, 3.9764,
0.0000

312.4346,

 2.0859, 1.6603,

312.5004, 215.6612

0.0000

369.9899,
371.1035, 263.1913

0.6815, 0.3978,
0.0000

0.0000, 0.0000,
0.0000

65.5308, 63.2869,
30.2345

65.5308, 63.2869,
30.2345

61.4348, 57.5288,
21.3665

70.2625, 69.6359,
41.4137

57.9335, 52.3303,
14.6372

75.6584, 76.5871,
55.0523

54.9873, 47.6705,
9.8554

81.7504, 84.1627,
71.2901

52.5483, 43.5220,
6.7935

88.5669, 92.3808,
90.2556

■ 50.5503, 39.8501, 95.0498, 99.9999,
5.1281 108.9000

■ 50.2988, 39.3779,
4.9497

Harmonies

Analogous

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



74.3322, 63.2869, 39.1516



65.5308, 63.2869, 30.2345



56.1058, 63.2869, 29.7563

Triad

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



65.5308, 63.2869, 30.2345



44.1939, 63.2869, 81.4609



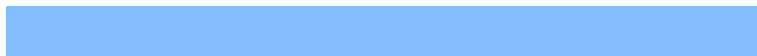
73.4213, 63.2869, 114.0150

Complementary

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



65.5308, 63.2869, 30.2345



45.3925, 48.0097, 101.4817

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.



64.3888, 63.2869, 132.7068



65.5308, 63.2869, 30.2345



47.9012, 63.2869, 110.8625

Square

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



65.5308, 63.2869, 30.2345



44.4310, 63.2869, 55.0000



55.0765, 63.2869, 131.4222



79.2032, 63.2869, 84.9843

Rectangle

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



65.5308, 63.2869, 30.2345



50.7688, 63.2869, 33.9996



55.0765, 63.2869, 131.4222



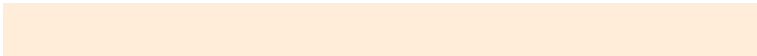
70.6261, 63.2869, 122.0174

Sweetspot

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



65.5323, 63.2899, 30.2358



84.1376, 87.0682, 77.8466



58.5274, 41.1615, 52.9290



17.7094, 18.2725, 15.8372



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.



65.5323, 63.2899, 30.2358



61.6739, 57.8732, 21.8576



79.5922, 93.6428, 35.3534



18.8226, 19.6133, 18.9380



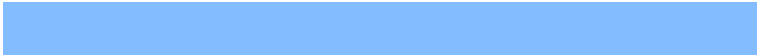
26.4335, 20.8783, 2.6367



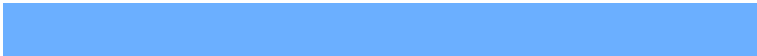
2.6831, 2.2515, 0.2932

Inverse Universe

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



45.3925, 48.0097, 101.4817



39.4708, 41.0427, 100.4494



36.1800, 28.6153, 98.2237



17.6909, 18.7535, 22.9373



12.9134, 10.7363, 50.8263



1.3651, 1.2609, 4.9847

Previews

White Background



This preview shows how the XYZ color 65.5308, 63.2869, 30.2345 looks on a white background.

Color Contrast Check

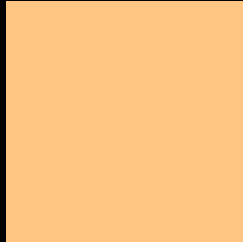
Large Text (above 18pt) WCAG AA × Fail

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 65.5308, 63.2869, 30.2345 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 65.5308, 63.2869, 30.2345

Background



This preview shows how black text looks on a background with the XYZ color 65.5308, 63.2869, 30.2345.



This preview shows how white text looks on a background with the XYZ color 65.5308, 63.2869,

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

65.5308, 63.2869, 30.2345

Protanopia

58.8522, 63.6811, 32.1115

Deuteranopia

64.6650, 63.1810, 30.2597



Tritanopia

70.9887, 63.3189, 65.6070

Trichromacy



Original Color

65.5308, 63.2869, 30.2345

Protanomaly

61.0594, 63.3884, 31.5713

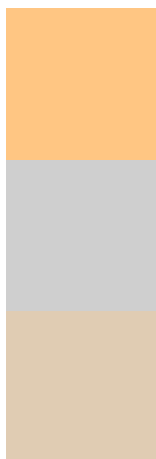
Deuteranomaly

65.0282, 63.3682, 30.2767

Tritanomaly

68.4676, 63.0179, 50.1500

Monochromacy



Original Color

65.5308, 63.2869, 30.2345

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

60.4700, 62.2877, 51.4834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5308, 63.2869, 30.2345 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, 198, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 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, 198, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 131) }
```

Border

The CSS property to change the border of an element to XYZ 65.5308, 63.2869, 30.2345 is called "border". The border property can be set on classes, ids or directly on the HTML element.

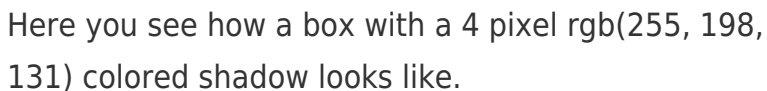
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 198, 131) }
```


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

```
.border{ border-color:rgb(255, 198, 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, 198, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 198, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 198, 131); box-shadow:4px 4px 4px 4px rgb(255, 198, 131) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5308, 63.2869, 30.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 131) }
```

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

```
.background{ background-color: rgb(255,  
198, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor