

Converting Colors

XYZ(88.7089, 79.6150, 32.9771)

Have a look what the booklet for
XYZ(88.7089, 79.6150, 32.9771)
contains.

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Color

**XYZ(68.5202, 69.0466,
31.9062)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD285
RGB	255, 210, 133
RGB Percent	100%, 82%, 52%
CMY	0.0000, 0.1764, 0.4784
CMYK	0.00, 0.18, 0.48, 0.00
HSL	38°, 100%, 76%
HSV	38°, 48%, 100%
XYZ	68.5202, 69.0466, 31.9062
YIQ	214.6770, 51.5370, -14.4070

Conversions

Conversions Part 2

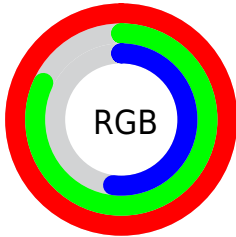
Format	Color
RYB	204, 255, 133
Decimal	16765573
CIELab	86.53, 6.40, 43.93
CIELCh	87, 44.393, 81.709
Yxy	69.0466, 0.4043, 0.4074
Android (android.graphics.Color)	4294955653 (0xFFFFD285)
YUV	214.6770, -40.2668, 35.3633
Hunter-Lab	83.0943, 1.7775, 35.4001

Details

The XYZ color **68.5202, 69.0466, 31.9062** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **43.6426, 44.0456, 100.8089**, and the grayscale version is **64.6135, 67.9785, 74.0286**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **36.1764, 36.1219, 13.0482** is the 20% darker color. If you saturate the color by 10%, you get **64.7142, 63.9201, 22.9759**, and if you desaturate by 10%, it is **72.8937, 74.6237, 43.1368**.

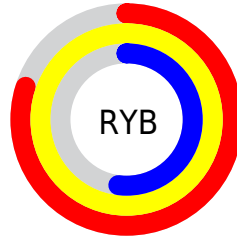
Distribution



Red (100%)

Green (82%)

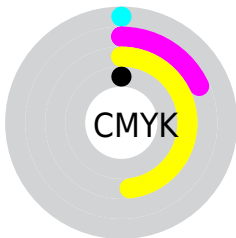
Blue (52%)



Red (80%)

Yellow (100%)

Blue (52%)

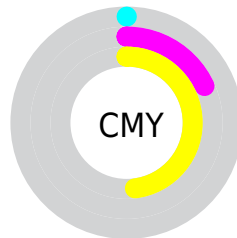


Cyan (0%)

Magenta (18%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5202, 69.0466, 31.9062 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 68.5202, 69.0466, 31.9062 by changing the saturation by 10% instead.


 68.5202, 69.0466,
31.9062


 68.5202, 69.0466,
31.9062


444.6848,
457.1953, 325.1713


 50.5963, 50.7497,
21.0256


 116.1338,
117.8481, 63.7602

 36.1071, 36.0094,
12.9513


 146.5543,
149.1215, 85.5707

 24.6875, 24.4415,
7.2647


 181.8709,
185.4892, 111.8617

 15.9718, 15.6614,
3.5472

222.4491,
227.3355, 143.0515

 9.5949, 9.2849,
1.3804

268.6543,
275.0449, 179.5589

 5.1914, 4.9275,
0.1264

320.8517,

 2.3959, 2.2048,

329.0017, 221.8023

0.0000

379.4067,
389.5904, 270.2002

■ 0.8431, 0.7226,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5202, 69.0466,
31.9062

■ 68.5202, 69.0466,
31.9062

■ 64.7142, 63.9201,
22.9759

■ 72.8937, 74.6237,
43.1368

■ 61.4369, 59.2170,
16.1751

■ 77.8601, 80.6573,
56.8134

■ 58.6516, 54.9216,
11.3158

■ 83.4494, 87.1656,
73.0745

■ 56.3138, 51.0121,
8.1747

■ 89.6876, 94.1623,
92.0470

■ 54.3644, 47.4607, 95.0499, 99.9999,
6.4535 108.9000

■ 53.9769, 46.7339,
6.1757

Harmonies

Analogous

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



78.6605, 69.0466, 38.9112



68.5202, 69.0466, 31.9062



58.5798, 69.0466, 33.8799

Triad

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



68.5202, 69.0466, 31.9062



48.9137, 69.0466, 98.1372



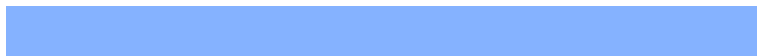
82.4053, 69.0466, 116.0229

Complementary

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



68.5202, 69.0466, 31.9062



43.6426, 44.0456, 100.8089

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.



73.2173, 69.0466, 141.0365



68.5202, 69.0466, 31.9062



54.1186, 69.0466, 128.9738

Square

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



68.5202, 69.0466, 31.9062



47.9371, 69.0466, 67.3044



62.8159, 69.0466, 146.3109



87.2071, 69.0466, 83.6472

Rectangle

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



68.5202, 69.0466, 31.9062



53.3279, 69.0466, 40.3278



62.8159, 69.0466, 146.3109



79.6845, 69.0466, 125.8871

Sweetspot

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



68.5219, 69.0499, 31.9076



85.7684, 89.7956, 80.0369



57.8423, 41.3214, 47.9834



18.0767, 18.9019, 16.2837



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.



68.5219, 69.0499, 31.9076



65.0142, 64.3356, 23.6435



76.1897, 91.8730, 35.9088



18.9651, 19.8984, 18.9855



28.3517, 24.7147, 3.2761



2.8650, 2.6154, 0.3538

Inverse Universe

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



43.6426, 44.0456, 100.8089



37.5796, 36.7978, 99.7298



38.5126, 30.2205, 98.4108



17.5516, 18.4748, 22.8909



11.6552, 8.2200, 50.4069



1.2350, 1.0006, 4.9413

Previews

White Background



This preview shows how the XYZ color 68.5202, 69.0466, 31.9062 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 68.5202, 69.0466, 31.9062 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 68.5202, 69.0466, 31.9062

Background



This preview shows how black text looks on a background with the XYZ color 68.5202, 69.0466, 31.9062.



This preview shows how white text looks on a background with the XYZ color 68.5202, 69.0466,

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

68.5202, 69.0466, 31.9062

Protanopia

63.8489, 69.2361, 33.2913

Deuteranopia

69.7080, 69.1279, 39.3748



Tritanopia

74.9906, 68.9297, 74.3181

Trichromacy



Original Color

68.5202, 69.0466, 31.9062

Protanomaly

65.3819, 68.8971, 32.7741

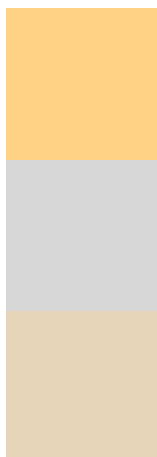
Deuteranomaly

69.1513, 68.9053, 36.4434

Tritanomaly

72.1742, 68.9478, 55.9586

Monochromacy



Original Color

68.5202, 69.0466, 31.9062

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

65.1843, 67.9143, 55.5721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5202, 69.0466, 31.9062 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 133) }
```

Border

The CSS property to change the border of an element to XYZ 68.5202, 69.0466, 31.9062 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, 133) }
```


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

```
.border{ border-color:rgb(255, 210, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5202, 69.0466, 31.9062 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, 133) }
```

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

```
.background{ background-color: rgb(255,  
210, 133) }
```

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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