

Converting Colors

XYZ(68.8487, 69.8748, 31.4880)

Have a look what the booklet for
XYZ(68.8487, 69.8748, 31.4880)
contains.

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Color

**XYZ(68.8802, 69.9857,
31.3509)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD483
RGB	255, 212, 131
RGB Percent	100%, 83%, 51%
CMY	0.0000, 0.1686, 0.4863
CMYK	0.00, 0.17, 0.49, 0.00
HSL	39°, 100%, 76%
HSV	39°, 49%, 100%
XYZ	68.8802, 69.9857, 31.3509
YIQ	215.6230, 51.6290, -16.0750

Conversions

Conversions Part 2

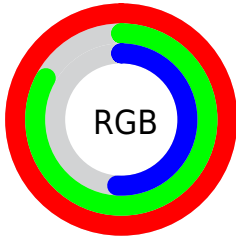
Format	Color
RYB	197, 255, 131
Decimal	16766083
CIELab	86.99, 5.19, 45.50
CIELCh	87, 45.797, 83.492
Yxy	69.9857, 0.4047, 0.4112
Android (android.graphics.Color)	4294956163 (0xFFFFD483)
YUV	215.6230, -41.7191, 34.5336
Hunter-Lab	83.6575, 0.5692, 36.3411

Details

The XYZ color **68.8802, 69.9857, 31.3509** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.5455, 42.3156, 100.5327**, and the grayscale version is **65.2654, 68.6643, 74.7754**.

A 20% lighter version of the original color is **85.7570, 96.2828, 59.9635**, and **36.4398, 36.7687, 12.7659** is the 20% darker color. If you saturate the color by 10%, you get **65.2105, 65.0802, 22.6251**, and if you desaturate by 10%, it is **73.0996, 75.3100, 42.3595**.

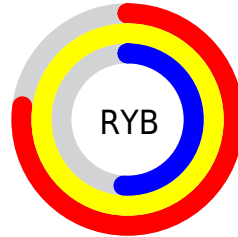
Distribution



Red (100%)

Green (83%)

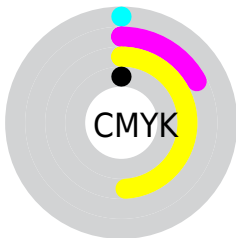
Blue (51%)



Red (77%)

Yellow (100%)

Blue (51%)

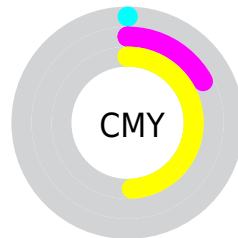


Cyan (0%)

Magenta (17%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8802, 69.9857, 31.3509 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 68.8802, 69.9857, 31.3509 by changing the saturation by 10% instead.


 68.8802, 69.9857,
31.3509


 68.8802, 69.9857,
31.3509


445.9363,
460.4998, 322.5528


 50.8904, 51.5149,
20.6055


 116.6455,
119.1884, 62.8781

 36.3421, 36.6185,
12.6475


 147.1517,
150.6890, 84.4971

 24.8699, 24.9123,
7.0584


 182.5607,
187.3017, 110.5776

 16.1083, 16.0117,
3.4197

223.2380,
229.4108, 141.5382

 9.6922, 9.5324,
1.3127

269.5488,
277.4008, 177.7975

 5.2560, 5.0901,
0.0722

321.8586,

 2.4346, 2.3002,

331.6560, 219.7740

0.0000

380.5326,
392.5609, 267.8863

■ 0.8624, 0.7738,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.8802, 69.9857,
31.3509

■ 68.8802, 69.9857,
31.3509

■ 65.2105, 65.0802,
22.6251

■ 73.0996, 75.3100,
42.3595

■ 62.0518, 60.5670,
16.0100

■ 77.8941, 81.0584,
55.7975

■ 59.3676, 56.4311,
11.3155

■ 83.2932, 87.2483,
71.8045

■ 57.1130, 52.6513,
8.3151

■ 89.3229, 93.8928,
90.5077

■ 55.2247, 49.1989,
6.6863

95.0498, 99.9999,
108.9000

■ 54.9827, 48.7456,
6.5109

Harmonies

Analogous

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



79.5347, 69.9857, 37.9570



68.8802, 69.9857, 31.3509



58.6457, 69.9857, 33.9106

Triad

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



68.8802, 69.9857, 31.3509



49.3683, 69.9857, 102.2044



84.4769, 69.9857, 116.9382

Complementary

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



68.8802, 69.9857, 31.3509



42.5455, 42.3156, 100.5327

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.



75.0679, 69.9857, 144.0753



68.8802, 69.9857, 31.3509



55.0075, 69.9857, 134.0966

Square

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



68.8802, 69.9857, 31.3509



48.0896, 69.9857, 69.7130



64.2130, 69.9857, 151.0768



89.1423, 69.9857, 83.0828

Rectangle

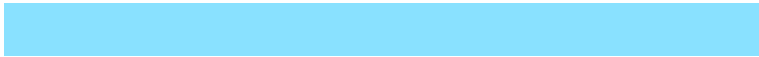
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8802, 69.9857, 31.3509



53.3323, 69.9857, 40.9324



64.2130, 69.9857, 151.0768



81.7185, 69.9857, 127.4796

Sweetspot

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



68.8819, 69.9890, 31.3523



85.4060, 89.6051, 78.2694



57.0356, 40.5648, 45.0735



18.0154, 18.8844, 15.9392



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.



68.8819, 69.9890, 31.3523



65.4254, 65.3762, 23.1081



74.5818, 91.0599, 35.1190



19.0000, 19.9682, 18.9972



28.8747, 25.7606, 3.4504



2.9136, 2.7126, 0.3700

Inverse Universe

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



42.5455, 42.3156, 100.5327



36.4173, 34.9357, 99.4316



38.6711, 29.8995, 98.3404



17.5180, 18.4076, 22.8797



11.3979, 7.7055, 50.3212



1.2072, 0.9451, 4.9321

Previews

White Background



This preview shows how the XYZ color 68.8802, 69.9857, 31.3509 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 68.8802, 69.9857, 31.3509 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 68.8802, 69.9857, 31.3509

Background



This preview shows how black text looks on a background with the XYZ color 68.8802, 69.9857, 31.3509.



This preview shows how white text looks on a background with the XYZ color 68.8802, 69.9857,

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

68.8802, 69.9857, 31.3509

Protanopia

64.5649, 70.0134, 32.3013

Deuteranopia

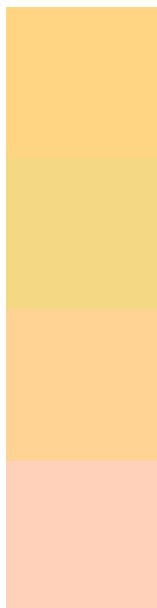
70.2873, 69.7535, 41.2117



Tritanopia

75.5957, 69.9324, 75.1596

Trichromacy



Original Color

68.8802, 69.9857, 31.3509

Protanomaly

66.0290, 70.0108, 31.8631

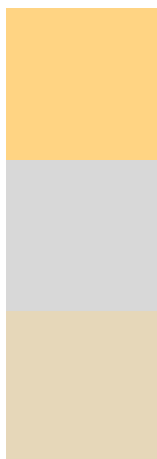
Deuteranomaly

69.8007, 69.9551, 37.4276

Tritanomaly

72.6588, 69.9169, 56.1202

Monochromacy



Original Color

68.8802, 69.9857, 31.3509

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.6905, 68.9267, 55.7409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8802, 69.9857, 31.3509 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, 212, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 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, 212, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 131) }
```

Border

The CSS property to change the border of an element to XYZ 68.8802, 69.9857, 31.3509 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, 212, 131) }
```


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

```
.border{ border-color:rgb(255, 212, 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, 212, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8802, 69.9857, 31.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 131) }
```

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

```
.background{ background-color: rgb(255,  
212, 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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