

Converting Colors

XYZ(73.5627, 71.7577, 31.1844)

Have a look what the booklet for
XYZ(73.5627, 71.7577, 31.1844)
contains.

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Color

**XYZ(68.3159, 68.9649,
30.8300)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD282
RGB	255, 210, 130
RGB Percent	100%, 82%, 51%
CMY	0.0000, 0.1764, 0.4902
CMYK	0.00, 0.18, 0.49, 0.00
HSL	38°, 100%, 75%
HSV	38°, 49%, 100%
XYZ	68.3159, 68.9649, 30.8300
YIQ	214.3350, 52.5000, -15.3400

Conversions

Conversions Part 2

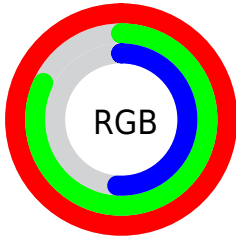
Format	Color
R _Y B	200, 255, 130
Decimal	16765570
CIE Lab	86.49, 6.13, 45.37
CIE LCh	86, 45.782, 82.305
Yxy	68.9649, 0.4064, 0.4102
Android (android.graphics.Color)	4294955650 (0xFFFFD282)
YUV	214.3350, -41.5772, 35.6632
Hunter-Lab	83.0451, 1.5116, 36.1205

Details

The XYZ color **68.3159, 68.9649, 30.8300** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.5854, 42.6242, 100.5904**, and the grayscale version is **64.3904, 67.7437, 73.7729**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **36.0647, 36.0772, 12.4599** is the 20% darker color. If you saturate the color by 10%, you get **64.6107, 63.9627, 22.1716**, and if you desaturate by 10%, it is **72.5785, 74.4033, 41.7680**.

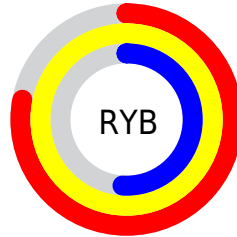
Distribution



Red (100%)

Green (82%)

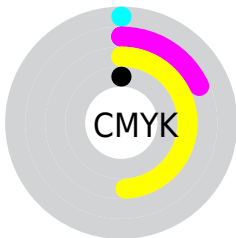
Blue (51%)



Red (78%)

Yellow (100%)

Blue (51%)

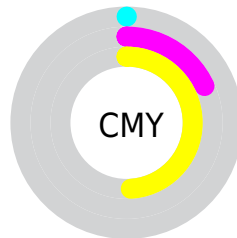


Cyan (0%)

Magenta (18%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3159, 68.9649, 30.8300 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 68.3159, 68.9649, 30.8300 by changing the saturation by 10% instead.


 68.3159, 68.9649,
30.8300

 68.3159, 68.9649,
30.8300


443.9736,
456.9072, 320.0813


 50.4294, 50.6831,
20.2121


 115.8434,
117.7314, 62.0488

 35.9739, 35.9565,
12.3637


 146.2151,
148.9850, 83.4867

 24.5840, 24.4006,
6.8663


 181.4792,
185.3313, 109.3683

 15.8945, 15.6310,
3.3015

222.0011,
227.1546, 140.1122

 9.5399, 9.2635,
1.2505

268.1461,
274.8395, 176.1369

 5.1549, 4.9134,
0.0207

320.2796,

 2.3741, 2.1966,

328.7703, 217.8609

0.0000

378.7670,
389.3314, 265.7029

■ 0.8322, 0.7181,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.3159, 68.9649,
30.8300

■ 68.3159, 68.9649,
30.8300

■ 64.6107, 63.9627,
22.1716

■ 72.5785, 74.4033,
41.7680

■ 61.4240, 59.3698,
15.6197

■ 77.4244, 80.2837,
55.1329

■ 58.7186, 55.1705,
10.9832

■ 82.8833, 86.6239,
71.0646

■ 56.4491, 51.3429,
8.0337

■ 88.9815, 93.4378,
89.6911

■ 54.5493, 47.8567, 95.0499, 100.0000,
6.4341 108.9000

■ 54.3748, 47.5297,
6.3083

Harmonies

Analogous

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



78.8169, 68.9649, 37.7280



68.3159, 68.9649, 30.8300



58.1143, 68.9649, 33.0013

Triad

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



68.3159, 68.9649, 30.8300



48.4441, 68.9649, 99.4935



83.0340, 68.9649, 116.7323

Complementary

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



68.3159, 68.9649, 30.8300



42.5854, 42.6242, 100.5904

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.



73.5924, 68.9649, 143.0691



68.3159, 68.9649, 30.8300



53.8606, 68.9649, 131.3913

Square

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



68.3159, 68.9649, 30.8300



47.3558, 68.9649, 67.5440



62.8580, 68.9649, 149.0549



87.8909, 68.9649, 83.1804

Rectangle

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



68.3159, 68.9649, 30.8300



52.7663, 68.9649, 39.6678



62.8580, 68.9649, 149.0549



80.2456, 68.9649, 127.0572

Sweetspot

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



68.3176, 68.9682, 30.8314



85.2558, 89.3047, 78.2193



57.0430, 40.3539, 45.7712



17.9791, 18.8118, 15.9271



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.



68.3176, 68.9682, 30.8314



64.6173, 63.9718, 22.1857



75.1613, 91.3666, 34.7940



18.9791, 19.9263, 18.9902



28.5587, 25.1285, 3.3451



2.8843, 2.6539, 0.3602

Inverse Universe

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



42.5854, 42.6242, 100.5904



36.1704, 34.8910, 99.4360



38.0062, 29.3583, 98.2712



17.5381, 18.4479, 22.8864



11.5499, 8.0093, 50.3718



1.2237, 0.9780, 4.9376

Previews

White Background



This preview shows how the XYZ color 68.3159, 68.9649, 30.8300 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 68.3159, 68.9649, 30.8300 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 68.3159, 68.9649, 30.8300

Background



This preview shows how black text looks on a background with the XYZ color 68.3159, 68.9649, 30.8300.



This preview shows how white text looks on a background with the XYZ color 68.3159, 68.9649,

30.8300.

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

68.3159, 68.9649, 30.8300

Protanopia

63.9715, 69.3237, 32.1994

Deuteranopia

69.6264, 69.0953, 38.9452



Tritanopia

74.8617, 68.8782, 73.6392

Trichromacy



Original Color

68.3159, 68.9649, 30.8300

Protanomaly

65.5197, 68.9922, 31.6934

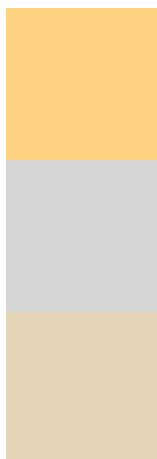
Deuteranomaly

68.9984, 68.8441, 35.6382

Tritanomaly

71.9630, 68.8633, 54.8465

Monochromacy



Original Color

68.3159, 68.9649, 30.8300

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.6546, 67.6654, 54.4528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3159, 68.9649, 30.8300 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 130) }
```

Border

The CSS property to change the border of an element to XYZ 68.3159, 68.9649, 30.8300 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, 130) }
```


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

```
.border{ border-color:rgb(255, 210, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3159, 68.9649, 30.8300 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, 130) }
```

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

```
.background{ background-color: rgb(255,  
210, 130) }
```

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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