

Converting Colors

XYZ(63.8245, 63.9390, 29.9798)

Have a look what the booklet for
XYZ(63.8245, 63.9390, 29.9798)
contains.

XYZ(63.8612, 63.8092, 30.0697)	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(63.8612, 63.8092,
30.0697)**

Conversions

Conversions Part 1

Format	Color
Hex	F8CA82
RGB	248, 202, 130
RGB Percent	97%, 79%, 51%
CMY	0.0275, 0.2078, 0.4902
CMYK	0.00, 0.19, 0.48, 0.03
HSL	37°, 89%, 74%
HSV	37°, 48%, 97%
XYZ	63.8612, 63.8092, 30.0697
YIQ	207.5460, 50.5280, -12.6400

Conversions

Conversions Part 2

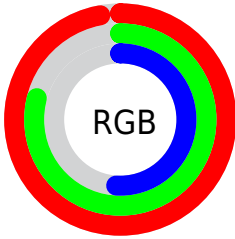
Format	Color
R _Y B	205, 248, 130
Decimal	16304770
CIE Lab	83.87, 7.47, 41.94
CIE LCh	84, 42.601, 79.901
Yxy	63.8092, 0.4049, 0.4045
Android (android.graphics.Color)	4294494850 (0xFFFF8CA82)
YUV	207.5460, -38.2302, 35.4782
Hunter-Lab	79.8807, 2.9120, 33.5978

Details

The XYZ color **63.8612, 63.8092, 30.0697** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **41.6740, 42.5723, 94.8275**, and the grayscale version is **59.8783, 62.9966, 68.6033**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **32.9875, 32.5631, 11.9438** is the 20% darker color. If you saturate the color by 10%, you get **60.1959, 58.8292, 21.6017**, and if you desaturate by 10%, it is **68.0729, 69.2400, 40.7002**.

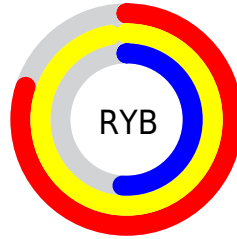
Distribution



Red (97%)

Green (79%)

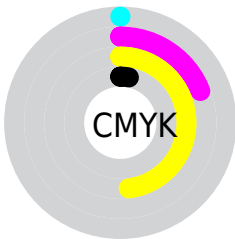
Blue (51%)



Red (80%)

Yellow (97%)

Blue (51%)

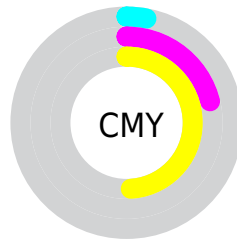


Cyan (0%)

Magenta (19%)

Yellow (48%)

Black (3%)



Cyan (3%)


Magenta (21%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8612, 63.8092, 30.0697 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 63.8612, 63.8092, 30.0697 by changing the saturation by 10% instead.


 63.8612, 63.8092,
30.0697

 63.8612, 63.8092,
30.0697


428.2984,
438.5003, 316.4466


 46.7995, 46.4962,
19.6390


 109.4859,
110.3361, 60.8347

 33.0845, 32.6375,
11.9514


 138.7796,
140.3188, 82.0061

 22.3507, 21.8489,
6.5885


 172.8813,
175.2934, 107.5947

 14.2329, 13.7459,
3.1316

212.1565,
215.6444, 138.0193

 8.3656, 7.9442,
1.1622

256.9704,
261.7562, 173.6982

 4.3835, 4.0592,
0.0000

307.6885,

 1.9213, 1.7068,

314.0132, 215.0500

0.0000

364.6760,
372.7998, 262.4933

■ 0.5892, 0.4280,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8612, 63.8092,
30.0697

■ 63.8612, 63.8092,
30.0697

■ 60.1959, 58.8292,
21.6017

■ 68.0729, 69.2400,
40.7002

■ 57.0403, 54.2739,
15.1372

■ 72.8553, 75.1279,
53.6291

■ 54.3603, 50.1277,
10.5011

■ 78.2364, 81.4907,
68.9858

■ 52.1137, 46.3696,
7.4862

■ 84.2410, 88.3419,
86.8886

■ 50.2460, 42.9731,
5.8188

■ 90.8922, 95.6946,
107.4482

■ 49.8317, 42.1972,
5.5185

■ 92.5213, 98.6964,
108.7817

Harmonies

Analogous

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



73.0019, 63.8092, 37.0249



63.8612, 63.8092, 30.0697



54.7235, 63.8092, 31.3936

Triad

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



63.8612, 63.8092, 30.0697



45.2442, 63.8092, 88.5514



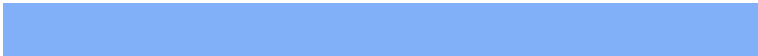
75.4916, 63.8092, 108.2681

Complementary

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



63.8612, 63.8092, 30.0697



41.6740, 42.5723, 94.8275

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.



66.9869, 63.8092, 130.1223



63.8612, 63.8092, 30.0697



49.7742, 63.8092, 116.8611

Square

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



63.8612, 63.8092, 30.0697



44.5924, 63.8092, 60.8215



57.5458, 63.8092, 133.6185



80.1596, 63.8092, 78.9178

Rectangle

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



63.8612, 63.8092, 30.0697



49.8159, 63.8092, 36.9498



57.5458, 63.8092, 133.6185



72.9481, 63.8092, 117.0228

Sweetspot

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



63.8628, 63.8122, 30.0710



85.5461, 89.3511, 79.9628



54.6501, 39.1047, 46.3678



18.0224, 18.7934, 16.2656



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.



63.8628, 63.8122, 30.0710



64.3085, 62.9243, 23.4083



72.2553, 86.6135, 34.0297



18.1262, 18.9883, 18.1722



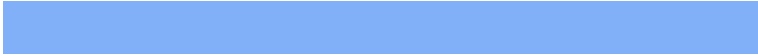
27.0595, 23.0757, 3.0279



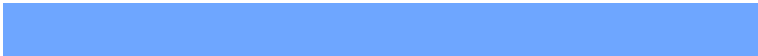
2.6092, 2.3432, 0.3148

Inverse Universe

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



41.6740, 42.5723, 94.8275



38.1287, 37.8960, 99.9128



36.0476, 28.4765, 92.4033



16.8379, 17.7526, 21.9244



11.5717, 8.4991, 49.0041



1.1714, 0.9864, 4.5718

Previews

White Background



This preview shows how the XYZ color 63.8612, 63.8092, 30.0697 looks on a white background.

Color Contrast Check

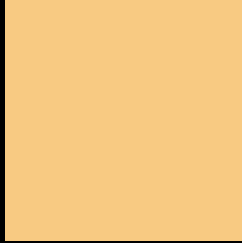
Large Text (above 18pt) WCAG AA × Fail

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 63.8612, 63.8092, 30.0697 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 63.8612, 63.8092, 30.0697

Background



This preview shows how black text looks on a background with the XYZ color 63.8612, 63.8092, 30.0697.



This preview shows how white text looks on a background with the XYZ color 63.8612, 63.8092,

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

63.8612, 63.8092, 30.0697

Protanopia

59.0290, 63.7884, 31.3915

Deuteranopia

65.1916, 63.8029, 29.9983



Tritanopia

71.5724, 63.9049, 67.5941

Trichromacy



Original Color

63.8612, 63.8092, 30.0697

Protanomaly

60.4971, 63.4707, 30.8923

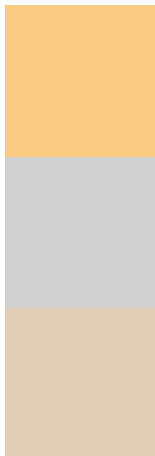
Deuteranomaly

64.6996, 63.8942, 30.0419

Tritanomaly

68.0215, 63.4300, 51.3059

Monochromacy



Original Color

63.8612, 63.8092, 30.0697

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

60.7410, 63.1259, 52.1631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8612, 63.8092, 30.0697 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(248, 202, 130)` looks like.

```
.text, #text, p{  
    color:rgb(248, 202, 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(248, 202, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 202, 130) }
```

Border

The CSS property to change the border of an element to XYZ 63.8612, 63.8092, 30.0697 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(248, 202, 130) }
```


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

```
.border{ border-color:rgb(248, 202, 130) }
```

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

Here you see how a box with a 4 pixel rgb(248, 202, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 202, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 202, 130);  
box-shadow:4px 4px 4px 4px rgb(248, 202,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8612, 63.8092, 30.0697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 202, 130) }
```

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

```
.background{ background-color: rgb(248,  
202, 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](#).

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