

Converting Colors

CIELCh(69, 50.000, 81.300)

Have a look what the booklet for
CIELCh(69, 50.000, 81.300) contains.

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Color

CIELCh(69, 49.896, 80.882)

Conversions

Conversions Part 1

Format	Color
Hex	CFA14D
RGB	207, 161, 77
RGB Percent	81%, 63%, 30%
CMY	0.1878, 0.3682, 0.6976
CMYK	0.00, 0.22, 0.63, 0.19
HSL	39°, 58%, 56%
HSV	39°, 63%, 81%
XYZ	39.8694, 39.3444, 12.5321
YIQ	165.1780, 54.3800, -16.3720

Conversions

Conversions Part 2

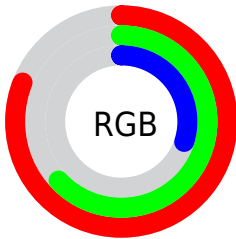
Format	Color
RYB	148, 207, 77
Decimal	13607245
CIELab	69.00, 7.91, 49.27
CIELCh	69, 49.896, 80.882
Yxy	39.3444, 0.4346, 0.4288
Android (android.graphics.Color)	4291797325 (0xFFCFA14D)
YUV	165.1780, -43.4718, 36.6779
Hunter-Lab	62.7251, 3.6895, 32.0618

Details

The CIELCh color **69, 49.896, 80.882** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **52, 49.310, 282.403**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 47.767, 86.444**, and **49, 49.945, 81.201** is the 20% darker color. If you saturate the color by 10%, you get **67, 57.426, 79.285**, and if you desaturate by 10%, it is **71, 41.872, 82.376**.

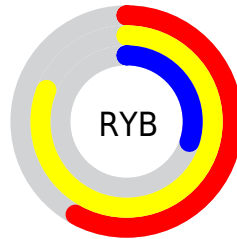
Distribution



Red (81%)

Green (63%)

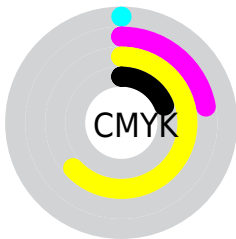
Blue (30%)



Red (58%)

Yellow (81%)

Blue (30%)

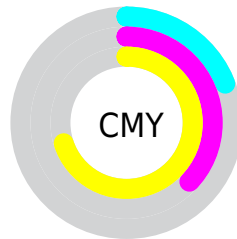


Cyan (0%)

Magenta (22%)

Yellow (63%)

Black (19%)



Cyan (19%)

Magenta (37%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 49.896, 80.882 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 CIELCh color 69, 49.896, 80.882 by changing the saturation by 10% instead.

69, 49.896, 80.882

69, 49.896, 80.882

100, 49.896,
80.882

59, 49.896, 80.882

89, 49.896, 80.882

49, 49.896, 80.882

99, 49.896, 80.882

39, 49.896, 80.882

29, 49.896, 80.882

19, 49.896, 80.882

9, 49.896, 80.882

0, 49.896, 80.882

69, 49.896, 80.882

69, 49.896, 80.882

67, 57.426, 79.285

71, 41.872, 82.376

65, 63.872, 77.475

73, 33.702, 83.804

63, 68.415, 75.282

75, 25.570, 85.186

62, 70.525, 73.453

78, 17.567, 86.527

80, 9.734, 87.820

82, 2.082, 88.983

85, 5.391, 270.372

87, 12.693,
271.509

90, 15.788,
266.639

Harmonies

Complementary

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



69, 49.896, 80.882



52, 49.310, 282.403

Rectangle

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



69, 49.896, 80.882



69, 49.896, 130.882



69, 49.896, 260.882



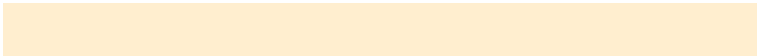
69, 49.896, 310.882

Sweetspot

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



69, 49.896, 80.886



95, 17.277, 86.992



52, 55.460, 0.655



50, 11.932, 86.613



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69, 49.896, 80.886



80, 69.714, 78.747



80, 64.812, 110.937



43, 4.338, 88.239



51, 60.432, 73.937



11, 16.545, 76.347

Inverse Universe

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



52, 49.310, 282.403



57, 70.649, 286.839



42, 77.521, 302.855



41, 4.328, 270.724



29, 68.807, 295.147



4, 19.301, 282.139

Previews

White Background



This preview shows how the CIELCh color 69, 49.896, 80.882 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 CIE LCh color 69, 49.896, 80.882 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](#).

CIELCh 69, 49.896, 80.882

Background



This preview shows how black text looks on a background with the CIELCh color 69, 49.896, 80.882.



This preview shows how white text looks on a background with the CIELCh color 69, 49.896, 80.882.

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


69, 49.896, 80.882

Protanopia

69, 47.737, 95.683

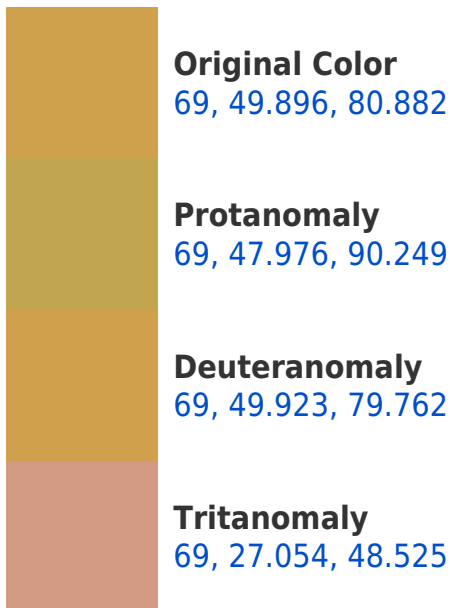
Deuteranopia

69, 50.145, 79.311



Tritanopia
69, 25.049, 8.155

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 49.896, 80.882 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(207, 161, 77)` looks like.

```
.text, #text, p{  
    color:rgb(207, 161, 77)  
}
```

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(207, 161, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 161, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 49.896, 80.882 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(207, 161, 77) }
```

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

```
.border{ border-color:rgb(207, 161, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 161, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 161, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 161, 77);  
box-shadow:4px 4px 4px 4px rgb(207, 161,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 49.896, 80.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 161, 77) }
```

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

```
.background{ background-color: rgb(207,  
161, 77) }
```

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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