

Converting Colors

CIELCh(69, 48.471, 79.845)

Have a look what the booklet for
CIELCh(69, 48.471, 79.845) contains.

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Color

CIELCh(69, 48.761, 79.916)

Conversions

Conversions Part 1

Format	Color
Hex	D0A150
RGB	208, 161, 80
RGB Percent	82%, 63%, 31%
CMY	0.1854, 0.3696, 0.6872
CMYK	0.00, 0.23, 0.62, 0.19
HSL	38°, 58%, 56%
HSV	38°, 62%, 81%
XYZ	40.0713, 39.3444, 13.0245
YIQ	165.8190, 54.0130, -15.2270

Conversions

Conversions Part 2

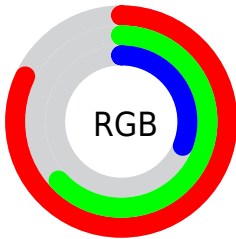
Format	Color
RYB	154, 208, 80
Decimal	13672784
CIELab	69.00, 8.54, 48.01
CIELCh	69, 48.761, 79.916
Yxy	39.3444, 0.4335, 0.4256
Android (android.graphics.Color)	4291862864 (0xFFD0A150)
YUV	165.8190, -42.3088, 36.9927
Hunter-Lab	62.7251, 4.2640, 31.5964

Details

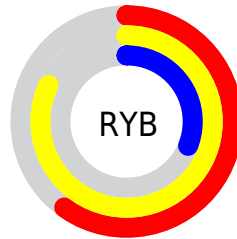
The CIELCh color **69, 48.761, 79.916** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **53, 47.517, 281.018**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 46.363, 86.005**, and **49, 48.767, 80.260** is the 20% darker color. If you saturate the color by 10%, you get **67, 56.433, 78.327**, and if you desaturate by 10%, it is **71, 40.683, 81.406**.

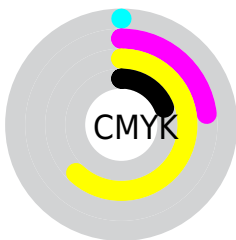
Distribution



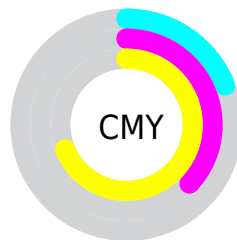
- Red (82%)
- Green (63%)
- Blue (31%)



- Red (60%)
- Yellow (82%)
- Blue (31%)



- Cyan (0%)
- Magenta (23%)
- Yellow (62%)
- Black (19%)



- Cyan (19%)
- Magenta (37%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 48.761, 79.916 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, 48.761, 79.916 by changing the saturation by 10% instead.

69, 48.761, 79.916

69, 48.761, 79.916

100, 48.761,
79.916

59, 48.761, 79.916

89, 48.761, 79.916

49, 48.761, 79.916

99, 48.761, 79.916

39, 48.761, 79.916

29, 48.761, 79.916

19, 48.761, 79.916

9, 48.761, 79.916

0, 48.761, 79.916

69, 48.761, 79.916

69, 48.761, 79.916

67, 56.433, 78.327

71, 40.683, 81.406

65, 63.145, 76.532

73, 32.516, 82.832

63, 68.083, 74.358

76, 24.424, 84.213

61, 70.715, 72.197

78, 16.488, 85.554

81, 8.739, 86.845

83, 1.184, 87.908

85, 6.183, 269.397

88, 13.373,
270.538

90, 14.941,
262.562

Harmonies

Complementary

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



69, 48.761, 79.916



53, 47.517, 281.018

Rectangle

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



69, 48.761, 79.916



69, 48.761, 129.916



69, 48.761, 259.916



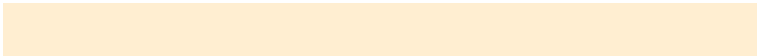
69, 48.761, 309.916

Sweetspot

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



69, 48.761, 79.920



95, 16.156, 85.998



53, 54.939, 359.132



50, 11.269, 85.612



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, 48.761, 79.920



80, 68.603, 77.768



80, 63.856, 110.198



43, 4.284, 87.118



50, 60.450, 72.704



11, 16.403, 74.836

Inverse Universe

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



53, 47.517, 281.018



58, 68.187, 285.507



42, 76.196, 302.310



41, 4.267, 269.617



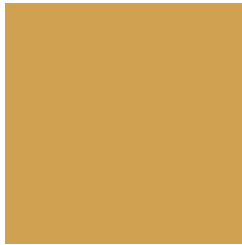
30, 67.303, 294.331



5, 19.037, 281.459

Previews

White Background



This preview shows how the CIELCh color 69, 48.761, 79.916 looks on a white background.

Color Contrast Check

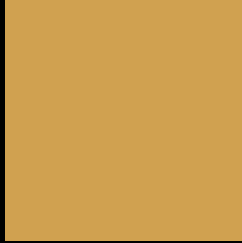
Large Text (above 18pt) WCAG AA × Fail

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, 48.761, 79.916 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, 48.761, 79.916

Background



This preview shows how black text looks on a background with the CIELCh color 69, 48.761, 79.916.



This preview shows how white text looks on a background with the CIELCh color 69, 48.761, 79.916.

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, 48.761, 79.916

Protanopia

69, 46.791, 95.604

Deuteranopia

69, 48.761, 79.916



Tritanopia
69, 25.049, 8.155

Trichromacy



Original Color
69, 48.761, 79.916

Protanomaly
69, 47.177, 89.552

Deuteranomaly
69, 48.761, 79.916

Tritanomaly
69, 27.132, 47.211

Monochromacy



Original Color
69, 48.761, 79.916

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 17.386, 84.860

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 48.761, 79.916 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(208, 161, 80)` looks like.

```
.text, #text, p{  
    color:rgb(208, 161, 80)  
}
```

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(208, 161, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 161, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 48.761, 79.916 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(208, 161, 80) }
```

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

```
.border{ border-color:rgb(208, 161, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 161, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 161, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 161, 80);  
box-shadow:4px 4px 4px 4px rgb(208, 161,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 48.761, 79.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 161, 80) }
```

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

```
.background{ background-color: rgb(208,  
161, 80) }
```

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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