

Converting Colors

CIELCh(69, 50.339, 82.151)

Have a look what the booklet for
CIELCh(69, 50.339, 82.151) contains.

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Color

CIELCh(69, 50.339, 82.151)

Conversions

Conversions Part 1

Format	Color
Hex	CEA24C
RGB	206, 162, 76
RGB Percent	81%, 64%, 30%
CMY	0.1933, 0.3657, 0.7030
CMYK	0.00, 0.21, 0.63, 0.19
HSL	40°, 57%, 55%
HSV	40°, 63%, 81%
XYZ	39.5404, 39.3444, 12.3009
YIQ	165.3520, 53.8300, -17.4180

Conversions

Conversions Part 2

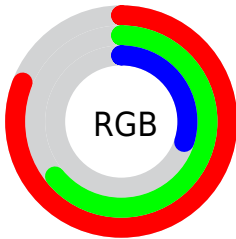
Format	Color
RYB	143, 206, 76
Decimal	13541964
CIELab	69.00, 6.87, 49.87
CIElCh	69, 50.339, 82.151
Yxy	39.3444, 0.4336, 0.4315
Android (android.graphics.Color)	4291732044 (0xFFCEA24C)
YUV	165.3520, -44.0505, 35.6483
Hunter-Lab	62.7251, 2.7531, 32.2803

Details

The CIELCh color **69, 50.339, 82.151** 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 **51, 50.522, 283.676**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 48.509, 87.207**, and **49, 50.216, 82.487** is the 20% darker color. If you saturate the color by 10%, you get **67, 57.747, 80.565**, and if you desaturate by 10%, it is **71, 42.378, 83.638**.

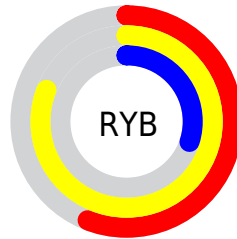
Distribution



Red (81%)

Green (64%)

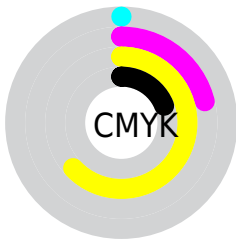
Blue (30%)



Red (56%)

Yellow (81%)

Blue (30%)

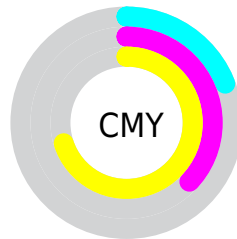


Cyan (0%)

Magenta (21%)

Yellow (63%)

Black (19%)



Cyan (19%)

Magenta (37%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 50.339, 82.151 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, 50.339, 82.151 by changing the saturation by 10% instead.

■ 69, 50.339, 82.151

■ 69, 50.339, 82.151

■ 100, 50.339,
82.151

■ 59, 50.339, 82.151

■ 89, 50.339, 82.151

■ 49, 50.339, 82.151

■ 99, 50.339, 82.151

■ 39, 50.339, 82.151

■ 29, 50.339, 82.151

■ 19, 50.339, 82.151

■ 9, 50.339, 82.151

■ 0, 50.339, 82.151

■ 69, 50.339, 82.151

■ 69, 50.339, 82.151

■ 67, 57.747, 80.565

■ 71, 42.378, 83.638

65, 64.003, 78.774

73, 34.225, 85.059

63, 68.299, 76.618

75, 26.077, 86.435

62, 70.173, 74.944

77, 18.033, 87.770

80, 10.139, 89.058

82, 2.411, 90.234

84, 5.149, 271.594

87, 12.549,
272.723

89, 16.946,
270.165

Harmonies

Complementary

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



69, 50.339, 82.151



51, 50.522, 283.676

Rectangle

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



69, 50.339, 82.151



69, 50.339, 132.151



69, 50.339, 262.151



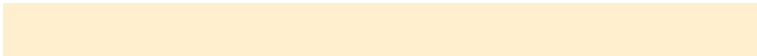
69, 50.339, 312.151

Sweetspot

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



69, 50.339, 82.154



95, 17.523, 88.283



51, 55.259, 2.008



50, 12.098, 87.906



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, 50.339, 82.154



81, 70.880, 79.920



79, 64.917, 111.713



42, 4.315, 89.528



51, 59.778, 75.431



10, 15.333, 78.093

Inverse Universe

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



51, 50.522, 283.676



55, 73.457, 288.290



41, 77.570, 303.273



40, 4.312, 271.985



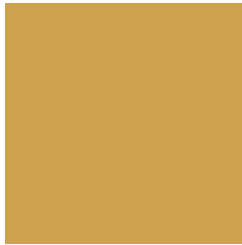
28, 69.695, 296.017



4, 18.111, 281.795

Previews

White Background



This preview shows how the CIELCh color 69, 50.339, 82.151 looks on a white background.

Color Contrast Check

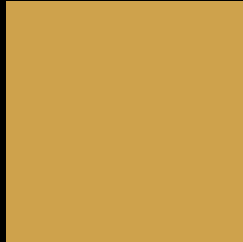
Large Text (above 18pt) WCAG AA × Fail

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, 50.339, 82.151 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, 50.339, 82.151

Background



This preview shows how black text looks on a background with the CIELCh color 69, 50.339, 82.151.



This preview shows how white text looks on a background with the CIELCh color 69, 50.339, 82.151.

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, 50.339, 82.151

Protanopia

69, 48.674, 95.754

Deuteranopia

69, 50.589, 79.482



Tritanopia
69, 24.740, 6.645

Trichromacy



Original Color
69, 50.339, 82.151

Protanomaly
69, 48.904, 90.415

Deuteranomaly
69, 50.554, 80.586

Tritanomaly
69, 26.571, 50.280

Monochromacy



Original Color
69, 50.339, 82.151

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 18.243, 87.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 50.339, 82.151 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(206, 162, 76)` looks like.

```
.text, #text, p{  
    color:rgb(206, 162, 76)  
}
```

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(206, 162, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 162, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 50.339, 82.151 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(206, 162, 76) }
```

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

```
.border{ border-color:rgb(206, 162, 76) }
```

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

Here you see how a box with a 4 pixel rgb(206, 162, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 162, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 162, 76);  
box-shadow:4px 4px 4px 4px rgb(206, 162,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 50.339, 82.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 162, 76) }
```

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

```
.background{ background-color: rgb(206,  
162, 76) }
```

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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