

# Converting Colors

CIELCh(69, 52.860, 80.750)

Have a look what the booklet for  
CIELCh(69, 52.860, 80.750) contains.

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# Color

**CIELCh(69, 52.962, 80.892)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1A147
RGB	209, 161, 71
RGB Percent	82%, 63%, 28%
CMY	0.1817, 0.3698, 0.7227
CMYK	0.00, 0.23, 0.66, 0.18
HSL	39°, 60%, 55%
HSV	39°, 66%, 82%
XYZ	40.0220, 39.3444, 11.3977
YIQ	165.0920, 57.4980, -17.8140

# Conversions

## Conversions Part 2

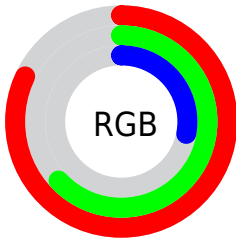
Format	Color
<a href="#">RYB</a>	<a href="#">145, 209, 71</a>
Decimal	<a href="#">13738311</a>
CIELab	<a href="#">69.00, 8.38, 52.29</a>
CIELCh	<a href="#">69, 52.962, 80.892</a>
Yxy	<a href="#">39.3444, 0.4409, 0.4335</a>
Android (android.graphics.Color)	<a href="#">4291928391</a> ( <a href="#">0xFFD1A147</a> )
YUV	<a href="#">165.0920, -46.3874, 38.5073</a>
Hunter-Lab	<a href="#">62.7251, 4.1236, 33.1341</a>

# Details

The CIELCh color **69, 52.962, 80.892** 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 **51, 52.904, 283.946**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 50.558, 87.225**, and **49, 53.036, 80.980** is the 20% darker color. If you saturate the color by 10%, you get **67, 60.223, 79.245**, and if you desaturate by 10%, it is **71, 45.016, 82.413**.

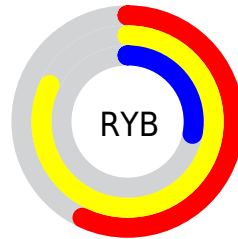
# Distribution



Red (82%)

Green (63%)

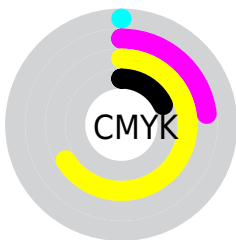
Blue (28%)



Red (57%)

Yellow (82%)

Blue (28%)

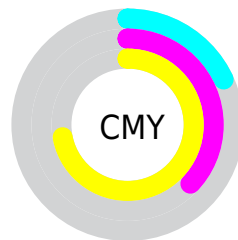


Cyan (0%)

Magenta (23%)

Yellow (66%)

Black (18%)



Cyan (18%)

Magenta (37%)

Yellow (72%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 52.962, 80.892 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, 52.962, 80.892 by changing the saturation by 10% instead.



 69, 52.962, 80.892

 69, 52.962, 80.892

 100, 52.962,  
80.892

 59, 52.962, 80.892

 89, 52.962, 80.892

 49, 52.962, 80.892

 99, 52.962, 80.892

 39, 52.962, 80.892

 29, 52.962, 80.892

 19, 52.962, 80.892

 9, 52.962, 80.892

 0, 52.962, 80.892

 69, 52.962, 80.892

 69, 52.962, 80.892

 67, 60.223, 79.245

 71, 45.016, 82.413

65, 66.112, 77.342

73, 36.811, 83.856

63, 69.814, 74.995

75, 28.583, 85.251

63, 70.918, 74.026

78, 20.452, 86.604

80, 12.475, 87.913

82, 4.672, 89.153

85, 2.953, 270.524

87, 10.407,  
271.640

89, 16.000,  
270.370

# Harmonies

# Complementary

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



69, 52.962, 80.892



51, 52.904, 283.946

# Rectangle

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



69, 52.962, 80.892



69, 52.962, 130.892



69, 52.962, 260.892



69, 52.962, 310.892

# Sweetspot

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



69, 52.962, 80.895



94, 18.310, 87.379



51, 58.059, 2.818



50, 12.533, 87.006



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, 52.962, 80.895



80, 72.900, 78.560



80, 68.098, 111.591



43, 4.364, 88.757



51, 60.435, 74.517



11, 16.616, 77.047





# Inverse Universe

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



51, 52.904, 283.946



54, 75.490, 288.741



40, 82.323, 303.713



41, 4.357, 271.234



29, 69.512, 295.517



4, 19.424, 282.446



# Previews

## White Background



This preview shows how the CIELCh color 69, 52.962, 80.892 looks on a white background.

## Color Contrast Check

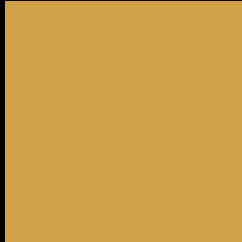
Large Text (above 18pt) WCAG AA × Fail

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, 52.962, 80.892 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

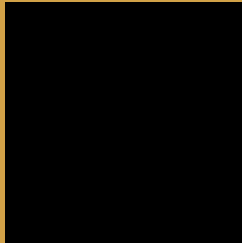
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 69, 52.962, 80.892**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 52.962, 80.892.



This preview shows how white text looks on a background with the CIELCh color 69, 52.962, 80.892.

# 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, 52.962, 80.892

### Protanopia

69, 50.972, 95.906

### Deuteranopia

69, 52.781, 80.268



**Tritanopia**  
69, 26.316, 7.773



# Trichromacy



**Original Color**  
69, 52.962, 80.892

**Protanomaly**  
69, 51.309, 90.300

**Deuteranomaly**  
69, 52.781, 80.268

**Tritanomaly**  
69, 28.783, 50.373

# Monochromacy



**Original Color**  
69, 52.962, 80.892

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
68, 19.100, 85.392

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 52.962, 80.892 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(209, 161, 71)` looks like.

```
.text, #text, p{  
    color:rgb(209, 161, 71)  
}
```

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(209, 161, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 161, 71) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 52.962, 80.892 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(209, 161, 71) }
```

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

```
.border{ border-color:rgb(209, 161, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 161, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 161, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 161, 71);  
box-shadow:4px 4px 4px 4px rgb(209, 161,  
71) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 52.962, 80.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 161, 71) }
```

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

```
.background{ background-color: rgb(209,  
161, 71) }
```

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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