

Converting Colors

CIELCh(69, 71.689, 79.202)

Have a look what the booklet for
CIELCh(69, 71.689, 79.202) contains.

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Color

CIELCh(69, 71.670, 79.209)

Conversions

Conversions Part 1

Format	Color
Hex	DC9D13
RGB	220, 157, 19
RGB Percent	86%, 62%, 7%
CMY	0.1375, 0.3845, 0.9259
CMYK	0.00, 0.29, 0.91, 0.14
HSL	41°, 84%, 47%
HSV	41°, 91%, 86%
XYZ	41.6568, 39.3444, 6.0099
YIQ	160.1050, 81.8460, -29.5620

Conversions

Conversions Part 2

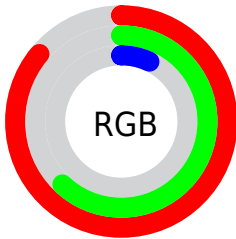
Format	Color
R _Y B	111, 220, 19
Decimal	14458131
CIE Lab	69.00, 13.42, 70.40
CIE LCh	69, 71.670, 79.209
Yxy	39.3444, 0.4788, 0.4522
Android (android.graphics.Color)	4292648211 (0xFFDC9D13)
YUV	160.1050, -69.5648, 52.5279
Hunter-Lab	62.7251, 8.7759, 38.2268

Details

The CIELCh color **69, 71.670, 79.209** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **40, 82.916, 295.177**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 66.723, 88.044**, and **49, 57.996, 75.999** is the 20% darker color. If you saturate the color by 10%, you get **68, 73.910, 77.195**, and if you desaturate by 10%, it is **71, 66.999, 81.216**.

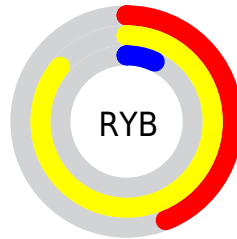
Distribution



Red (86%)

Green (62%)

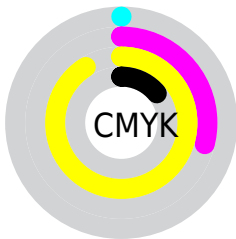
Blue (7%)



Red (44%)

Yellow (86%)

Blue (7%)

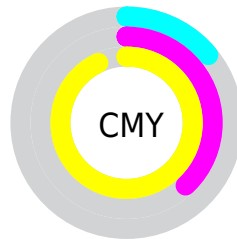


Cyan (0%)

Magenta (29%)

Yellow (91%)

Black (14%)



Cyan (14%)

Magenta (38%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 71.670, 79.209 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, 71.670, 79.209 by changing the saturation by 10% instead.

69, 71.670, 79.209

69, 71.670, 79.209

100, 71.670,
79.209

59, 71.670, 79.209

89, 71.670, 79.209

49, 71.670, 79.209

99, 71.670, 79.209

39, 71.670, 79.209

29, 71.670, 79.209

19, 71.670, 79.209

9, 71.670, 79.209

0, 71.670, 79.209

69, 71.670, 79.209

69, 71.670, 79.209

68, 73.910, 77.195

71, 66.999, 81.216

73, 60.312, 82.920

75, 52.434, 84.462

77, 43.969, 85.916

79, 35.283, 87.316

81, 26.579, 88.674

83, 17.960, 89.992

85, 9.477, 91.261

87, 1.149, 92.311

Harmonies

Complementary

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



69, 71.670, 79.209



40, 82.916, 295.177

Rectangle

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



69, 71.670, 79.209



69, 71.670, 129.209



69, 71.670, 259.209



69, 71.670, 309.209

Sweetspot

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



69, 71.669, 79.212



93, 25.675, 89.231



47, 74.909, 15.670



49, 17.350, 88.773



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, 71.669, 79.212



77, 82.626, 76.947



83, 86.556, 113.341



45, 4.696, 91.503



54, 61.932, 77.667



13, 19.772, 80.653

Inverse Universe

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



40, 82.916, 295.177



43, 102.985, 298.369



31, 113.522, 306.872



43, 4.705, 273.944



29, 75.208, 297.514



5, 23.120, 286.288

Previews

White Background



This preview shows how the CIELCh color 69, 71.670, 79.209 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 CIELCh color 69, 71.670, 79.209 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, 71.670, 79.209

Background



This preview shows how black text looks on a background with the CIELCh color 69, 71.670, 79.209.



This preview shows how white text looks on a background with the CIELCh color 69, 71.670, 79.209.

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, 71.670, 79.209

Protanopia

69, 68.564, 95.156

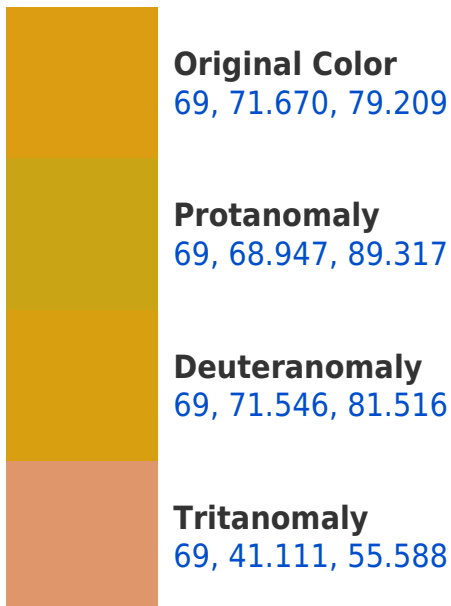
Deuteranopia

69, 71.252, 82.996



Tritanopia
69, 32.739, 12.373

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 71.670, 79.209 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(220, 157, 19)` looks like.

```
.text, #text, p{  
    color:rgb(220, 157, 19)  
}
```

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(220, 157, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 157, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 71.670, 79.209 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(220, 157, 19) }
```

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

```
.border{ border-color:rgb(220, 157, 19) }
```

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

Here you see how a box with a 4 pixel rgb(220, 157, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 157, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 157, 19);  
box-shadow:4px 4px 4px 4px rgb(220, 157,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 71.670, 79.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 157, 19) }
```

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

```
.background{ background-color: rgb(220,  
157, 19) }
```

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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