

Converting Colors

CIELCh(69, 72.218, 81.583)

Have a look what the booklet for
CIELCh(69, 72.218, 81.583) contains.

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Color

CIELCh(69, 72.262, 81.650)

Conversions

Conversions Part 1

Format	Color
Hex	D89F0B
RGB	216, 159, 11
RGB Percent	85%, 62%, 4%
CMY	0.1536, 0.3770, 0.9582
CMYK	0.00, 0.26, 0.95, 0.15
HSL	43°, 91%, 44%
HSV	43°, 95%, 85%
XYZ	40.7018, 39.3444, 5.7547
YIQ	159.1710, 81.4800, -33.9440

Conversions

Conversions Part 2

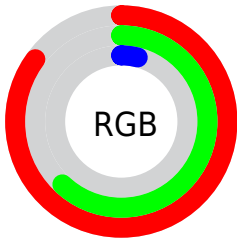
Format	Color
RYB	90, 216, 11
Decimal	14196491
CIELab	69.00, 10.49, 71.50
CIElCh	69, 72.262, 81.650
Yxy	39.3444, 0.4744, 0.4586
Android (android.graphics.Color)	4292386571 (0xFFD89F0B)
YUV	159.1710, -73.0483, 49.8390
Hunter-Lab	62.7251, 6.0584, 38.4680

Details

The CIELCh color **69, 72.262, 81.650** 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 **36, 89.849, 298.249**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 68.393, 89.078**, and **49, 57.353, 78.431** is the 20% darker color. If you saturate the color by 10%, you get **68, 73.316, 80.604**, and if you desaturate by 10%, it is **71, 68.818, 83.608**.

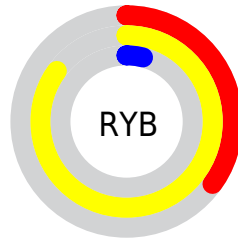
Distribution



Red (85%)

Green (62%)

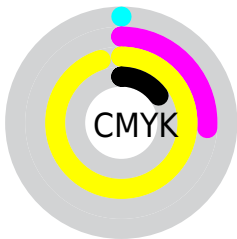
Blue (4%)



Red (35%)

Yellow (85%)

Blue (4%)

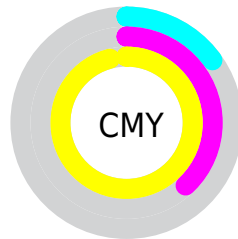


Cyan (0%)

Magenta (26%)

Yellow (95%)

Black (15%)



Cyan (15%)

Magenta (38%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 72.262, 81.650 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, 72.262, 81.650 by changing the saturation by 10% instead.

 69, 72.262, 81.650

 69, 72.262, 81.650

 100, 72.262,
81.650

 59, 72.262, 81.650

 89, 72.262, 81.650

 49, 72.262, 81.650

 99, 72.262, 81.650

 39, 72.262, 81.650

 29, 72.262, 81.650

 19, 72.262, 81.650

 9, 72.262, 81.650

 0, 72.262, 81.650

 69, 72.262, 81.650

 69, 72.262, 81.650

 68, 73.316, 80.604

 71, 68.818, 83.608

72, 63.050, 85.278

74, 55.732, 86.788

76, 47.549, 88.212

77, 38.954, 89.586

79, 30.214, 90.922

81, 21.476, 92.222

83, 12.815, 93.481

85, 4.270, 94.671

Harmonies

Complementary

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



69, 72.262, 81.650



36, 89.849, 298.249

Rectangle

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



69, 72.262, 81.650



69, 72.262, 131.650



69, 72.262, 261.650



69, 72.262, 311.650

Sweetspot

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



69, 72.261, 81.653



93, 28.521, 91.679



46, 76.176, 20.562



49, 19.616, 91.117



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, 72.261, 81.653



79, 83.102, 80.357



81, 86.939, 115.344



44, 4.776, 94.167



55, 61.656, 81.016



13, 18.972, 84.310

Inverse Universe

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



36, 89.849, 298.249



41, 108.387, 300.048



29, 113.567, 307.288



42, 4.801, 276.542



27, 78.279, 299.225



4, 22.349, 286.552

Previews

White Background



This preview shows how the CIELCh color 69, 72.262, 81.650 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, 72.262, 81.650 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, 72.262, 81.650

Background



This preview shows how black text looks on a background with the CIELCh color 69, 72.262, 81.650.



This preview shows how white text looks on a background with the CIELCh color 69, 72.262, 81.650.

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, 72.262, 81.650

Protanopia

69, 69.847, 95.168

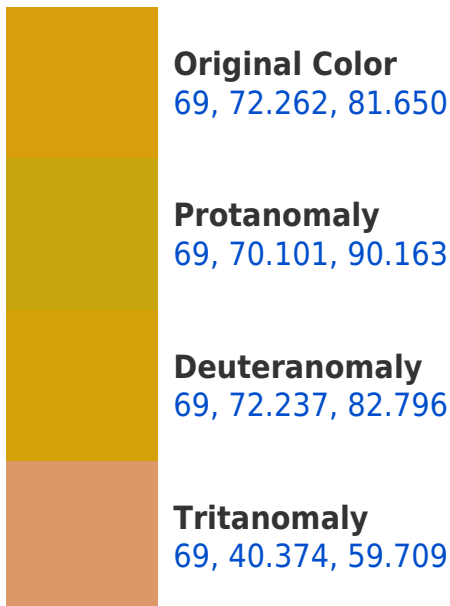
Deuteranopia

69, 72.178, 83.150



Tritanopia
69, 30.285, 11.208

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 72.262, 81.650 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(216, 159, 11)` looks like.

```
.text, #text, p{  
    color:rgb(216, 159, 11)  
}
```

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(216, 159, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 159, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 72.262, 81.650 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(216, 159, 11) }
```

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

```
.border{ border-color:rgb(216, 159, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 159, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 159, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 159, 11);  
box-shadow:4px 4px 4px 4px rgb(216, 159,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 72.262, 81.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 159, 11) }
```

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

```
.background{ background-color: rgb(216,  
159, 11) }
```

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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