

Converting Colors

CIELCh(69, 72.241, 85.969)

Have a look what the booklet for
CIELCh(69, 72.241, 85.969) contains.

CIELCh(69, 72.212, 85.810)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(69, 72.212, 85.810)

Conversions

Conversions Part 1

Format	Color
Hex	D0A203
RGB	208, 162, 3
RGB Percent	82%, 64%, 1%
CMY	0.1836, 0.3640, 0.9865
CMYK	0.00, 0.22, 0.98, 0.18
HSL	47°, 97%, 41%
HSV	47°, 98%, 82%
XYZ	39.0346, 39.3444, 5.6352
YIQ	157.6280, 78.4550, -39.6970

Conversions

Conversions Part 2

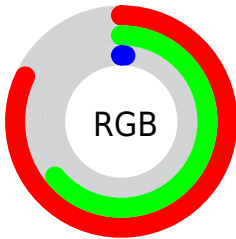
Format	Color
RYB	62, 208, 3
Decimal	13672963
CIELab	69.00, 5.28, 72.02
CIELCh	69, 72.212, 85.810
Yxy	39.3444, 0.4646, 0.4683
Android (android.graphics.Color)	4291863043 (0xFFD0A203)
YUV	157.6280, -76.2316, 44.1762
Hunter-Lab	62.7251, 1.3138, 38.5810

Details

The CIELCh color **69, 72.212, 85.810** 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 **31, 96.840, 301.395**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 69.916, 90.431**, and **49, 55.957, 83.807** is the 20% darker color. If you saturate the color by 10%, you get **69, 72.533, 85.532**, and if you desaturate by 10%, it is **70, 69.795, 87.487**.

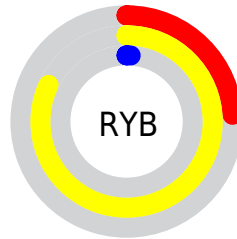
Distribution



Red (82%)

Green (64%)

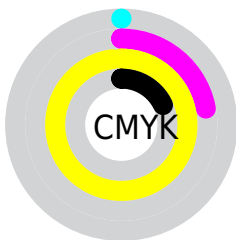
Blue (1%)



Red (24%)

Yellow (82%)

Blue (1%)

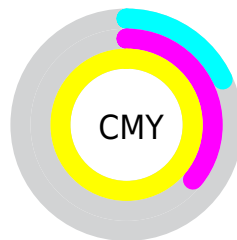


Cyan (0%)

Magenta (22%)

Yellow (98%)

Black (18%)



Cyan (18%)

Magenta (36%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 72.212, 85.810 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, 72.212, 85.810 by changing the saturation by 10% instead.

69, 72.212, 85.810

69, 72.212, 85.810

100, 72.212,
85.810

59, 72.212, 85.810

89, 72.212, 85.810

49, 72.212, 85.810

99, 72.212, 85.810

39, 72.212, 85.810

29, 72.212, 85.810

19, 72.212, 85.810

9, 72.212, 85.810

0, 72.212, 85.810

69, 72.212, 85.810

69, 72.212, 85.810

69, 72.533, 85.532

70, 69.795, 87.487

72, 65.070, 88.978

73, 58.488, 90.360

74, 50.741, 91.686

76, 42.352, 92.981

77, 33.652, 94.254

79, 24.836, 95.502

80, 16.014, 96.719

82, 7.246, 97.892

Harmonies

Complementary

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



69, 72.212, 85.810



31, 96.840, 301.395

Rectangle

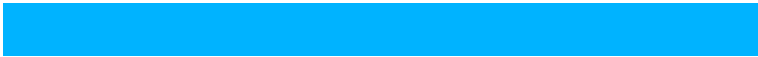
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 72.212, 85.810



69, 72.212, 135.810



69, 72.212, 265.810



69, 72.212, 315.810

Sweetspot

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



69, 72.211, 85.813



94, 31.002, 95.254



44, 77.535, 26.489



49, 21.168, 94.723



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, 72.211, 85.813



83, 84.435, 85.295



77, 86.488, 118.188



43, 4.946, 97.770



57, 61.994, 85.830



12, 18.502, 89.469

Inverse Universe

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



31, 96.840, 301.395



38, 115.833, 302.126



28, 111.300, 307.848



41, 4.994, 280.040



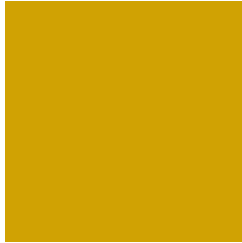
24, 82.836, 301.386



3, 21.636, 287.206

Previews

White Background



This preview shows how the CIELCh color 69, 72.212, 85.810 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, 72.212, 85.810 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, 72.212, 85.810

Background



This preview shows how black text looks on a background with the CIELCh color 69, 72.212, 85.810.

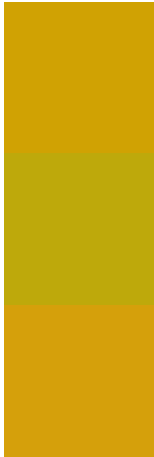


This preview shows how white text looks on a background with the CIELCh color 69, 72.212, 85.810.

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, 72.212, 85.810

Protanopia
69, 70.562, 95.174

Deuteranopia
69, 71.813, 83.090



Tritanopia
69, 26.250, 8.942

Trichromacy



Original Color
69, 72.212, 85.810

Protanomaly
69, 71.066, 91.794

Deuteranomaly
69, 71.951, 84.264

Tritanomaly
68, 38.522, 65.798

Monochromacy



Original Color
69, 72.212, 85.810

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 32.421, 94.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 72.212, 85.810 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, 162, 3)` looks like.

```
.text, #text, p{  
    color:rgb(208, 162, 3)  
}
```

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, 162, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 162, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 72.212, 85.810 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, 162, 3) }
```

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

```
.border{ border-color:rgb(208, 162, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 162, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 162, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 162, 3);  
box-shadow:4px 4px 4px 4px rgb(208, 162,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 72.212, 85.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 162, 3) }
```

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

```
.background{ background-color: rgb(208,  
162, 3) }
```

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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