

Converting Colors

CIELCh(72, 73.347, 87.170)

Have a look what the booklet for
CIELCh(72, 73.347, 87.170) contains.

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Color

CIELCh(72, 73.256, 87.113)

Conversions

Conversions Part 1

Format	Color
Hex	D7AB0E
RGB	215, 171, 14
RGB Percent	84%, 67%, 5%
CMY	0.1564, 0.3290, 0.9441
CMYK	0.00, 0.20, 0.93, 0.16
HSL	47°, 88%, 45%
HSV	47°, 93%, 84%
XYZ	42.7194, 43.6590, 6.5992
YIQ	166.2580, 76.6210, -39.4990

Conversions

Conversions Part 2

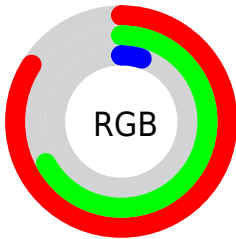
Format	Color
RYB	70, 215, 14
Decimal	14134030
CIELab	72.00, 3.69, 73.16
CIELCh	72, 73.256, 87.113
Yxy	43.6590, 0.4595, 0.4696
Android (android.graphics.Color)	4292324110 (0xFFD7AB0E)
YUV	166.2580, -75.0632, 42.7467
Hunter-Lab	66.0750, -0.2259, 40.3309

Details

The CIELCh color **72, 73.256, 87.113** 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 **34, 95.178, 300.306**, and the grayscale version is **69, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 70.751, 94.309**, and **52, 58.218, 85.299** is the 20% darker color. If you saturate the color by 10%, you get **71, 74.486, 86.001**, and if you desaturate by 10%, it is **73, 69.693, 88.668**.

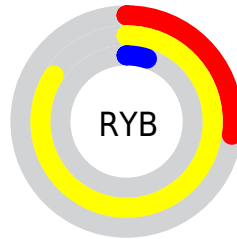
Distribution



Red (84%)

Green (67%)

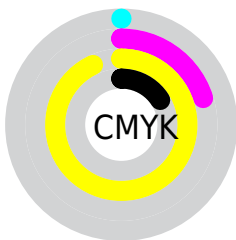
Blue (5%)



Red (27%)

Yellow (84%)

Blue (5%)

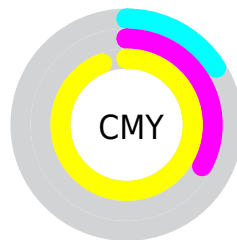


Cyan (0%)

Magenta (20%)

Yellow (93%)

Black (16%)



Cyan (16%)

Magenta (33%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 73.256, 87.113 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 72, 73.256, 87.113 by changing the saturation by 10% instead.

 72, 73.256, 87.113

 72, 73.256, 87.113

 100, 73.256,
87.113

 62, 73.256, 87.113

 92, 73.256, 87.113

 52, 73.256, 87.113

 42, 73.256, 87.113

 32, 73.256, 87.113

 22, 73.256, 87.113

 12, 73.256, 87.113

 2, 73.256, 87.113

 0, 73.256, 87.113

 72, 73.256, 87.113

 72, 73.256, 87.113

71, 74.486, 86.001

73, 69.693, 88.668

75, 63.847, 90.076

76, 56.433, 91.413

77, 48.093, 92.713

79, 39.267, 93.990

80, 30.223, 95.246

82, 21.116, 96.475

84, 12.031, 97.670

85, 3.016, 98.790

Harmonies

Complementary

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



72, 73.256, 87.113



34, 95.178, 300.306

Rectangle

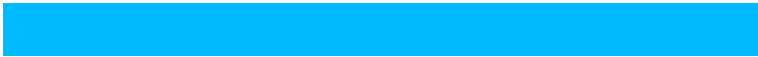
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 73.256, 87.113



72, 73.256, 137.113



72, 73.256, 267.113



72, 73.256, 317.113

Sweetspot

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



72, 73.255, 87.116



95, 29.076, 95.878



46, 77.070, 23.900



50, 20.091, 95.339



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72, 73.255, 87.116



83, 84.620, 85.811



80, 87.366, 117.754



44, 5.075, 98.129



58, 62.820, 86.308



14, 20.017, 89.687

Inverse Universe

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



34, 95.178, 300.306



38, 116.578, 302.320



31, 111.535, 307.886



42, 5.127, 280.395



25, 84.415, 301.626



3, 23.453, 288.471

Previews

White Background



This preview shows how the CIELCh color 72, 73.256, 87.113 looks on a white background.

Color Contrast Check

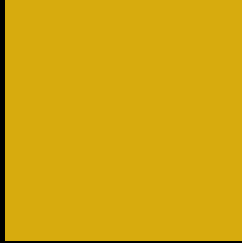
Large Text (above 18pt) WCAG AA × Fail

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 72, 73.256, 87.113 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 72, 73.256, 87.113

Background



This preview shows how black text looks on a background with the CIELCh color 72, 73.256, 87.113.



This preview shows how white text looks on a background with the CIELCh color 72, 73.256, 87.113.

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

72, 73.256, 87.113

Protanopia

72, 72.334, 95.140

Deuteranopia

72, 73.354, 83.068



Tritanopia
72, 26.078, 7.627

Trichromacy



Original Color
72, 73.256, 87.113

Protanomaly
72, 72.524, 92.214

Deuteranomaly
72, 73.290, 84.532

Tritanomaly
71, 37.240, 65.101

Monochromacy



Original Color
72, 73.256, 87.113

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 31.644, 94.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 73.256, 87.113 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(215, 171, 14)` looks like.

```
.text, #text, p{  
    color:rgb(215, 171, 14)  
}
```

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(215, 171, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 171, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 73.256, 87.113 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(215, 171, 14) }
```

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

```
.border{ border-color:rgb(215, 171, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 171, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 171, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 171, 14);  
box-shadow:4px 4px 4px 4px rgb(215, 171,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 73.256, 87.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 171, 14) }
```

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

```
.background{ background-color: rgb(215,  
171, 14) }
```

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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