

Converting Colors

CIELCh(70, 74.953, 81.168)

Have a look what the booklet for
CIELCh(70, 74.953, 81.168) contains.

CIELCh(70, 74.732, 81.145)	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(70, 74.732, 81.145)

Conversions

Conversions Part 1

Format	Color
Hex	DDA100
RGB	221, 161, 0
RGB Percent	87%, 63%, 0%
CMY	0.1343, 0.3694, 1.0000
CMYK	0.00, 0.27, 1.00, 0.13
HSL	44°, 100%, 43%
HSV	44°, 100%, 87%
XYZ	42.4501, 40.7494, 5.6130
YIQ	160.5860, 87.4410, -37.3510

Conversions

Conversions Part 2

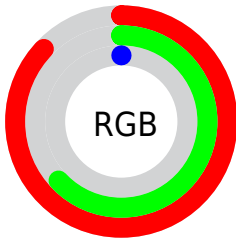
Format	Color
RYB	82, 221, 0
Decimal	14524672
CIELab	70.00, 11.50, 73.84
CIELCh	70, 74.732, 81.145
Yxy	40.7494, 0.4780, 0.4588
Android (android.graphics.Color)	4292714752 (0xFFDDA100)
YUV	160.5860, -79.1689, 52.9831
Hunter-Lab	63.8353, 6.9897, 39.4714

Details

The CIELCh color **70, 74.732, 81.145** 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 **35, 97.228, 300.057**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 70.044, 90.054**, and **50, 58.385, 77.925** is the 20% darker color. If you saturate the color by 10%, you get **70, 74.668, 81.136**, and if you desaturate by 10%, it is **72, 72.249, 83.191**.

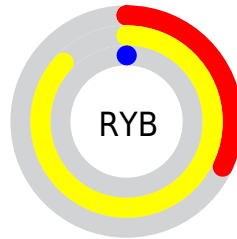
Distribution



Red (87%)

Green (63%)

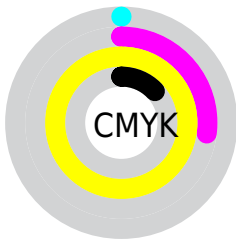
Blue (0%)



Red (32%)

Yellow (87%)

Blue (0%)

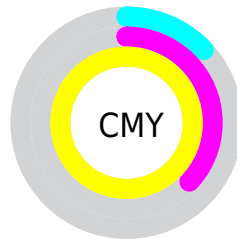


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (37%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 74.732, 81.145 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 70, 74.732, 81.145 by changing the saturation by 10% instead.

 70, 74.732, 81.145

 70, 74.732, 81.145

 100, 74.732,
81.145

 60, 74.732, 81.145

 90, 74.732, 81.145

 50, 74.732, 81.145

 40, 74.732, 81.145

 30, 74.732, 81.145

 20, 74.732, 81.145

 10, 74.732, 81.145

 0, 74.732, 81.145

 70, 74.732, 81.145

 70, 74.732, 81.145

 70, 74.668, 81.136

 72, 72.249, 83.191

73, 67.520, 84.960

75, 60.785, 86.522

76, 52.826, 87.972

78, 44.228, 89.361

80, 35.352, 90.709

82, 26.404, 92.023

84, 17.495, 93.299

86, 8.681, 94.528

Harmonies

Complementary

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



70, 74.732, 81.145



35, 97.228, 300.057

Rectangle

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



70, 74.732, 81.145



70, 74.732, 131.145



70, 74.732, 261.145



70, 74.732, 311.145

Sweetspot

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



70, 74.668, 81.136



93, 29.684, 91.991



47, 79.645, 23.333



49, 20.294, 91.437



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 74.668, 81.136



80, 83.217, 80.930



82, 89.610, 115.747



45, 4.900, 94.596



56, 62.423, 81.545



14, 20.427, 84.734

Inverse Universe

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



35, 97.228, 300.057



40, 109.277, 300.310



29, 118.088, 307.323



43, 4.928, 276.966



27, 79.898, 299.536



4, 24.078, 287.917

Previews

White Background



This preview shows how the CIELCh color 70, 74.732, 81.145 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 70, 74.732, 81.145 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 70, 74.732, 81.145

Background



This preview shows how black text looks on a background with the CIELCh color 70, 74.732, 81.145.



This preview shows how white text looks on a background with the CIELCh color 70, 74.732, 81.145.

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

70, 74.732, 81.145

Protanopia

70, 71.253, 95.297

Deuteranopia

70, 74.185, 83.279

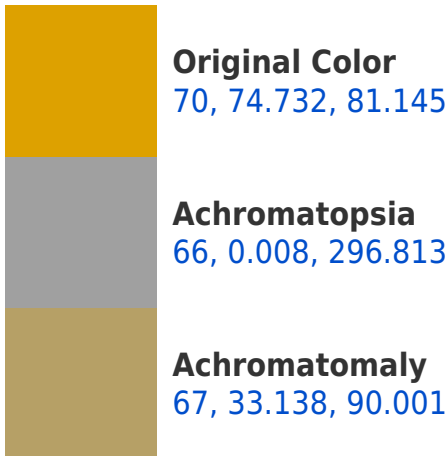


Tritanopia
70, 31.858, 10.977

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 74.732, 81.145 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(221, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 161, 0)  
}
```

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(221, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 161, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 74.732, 81.145 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(221, 161, 0) }
```

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

```
.border{ border-color:rgb(221, 161, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 161, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 161,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 74.732, 81.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 161, 0) }
```

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

```
.background{ background-color: rgb(221,  
161, 0) }
```

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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