

Converting Colors

CIELCh(70, 73.341, 83.857)

Have a look what the booklet for
CIELCh(70, 73.341, 83.857) contains.

CIELCh(70, 73.235, 83.845)	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, 73.235, 83.845)

Conversions

Conversions Part 1

Format	Color
Hex	D7A305
RGB	215, 163, 5
RGB Percent	84%, 64%, 2%
CMY	0.1561, 0.3600, 0.9785
CMYK	0.00, 0.24, 0.97, 0.16
HSL	45°, 95%, 43%
HSV	45°, 97%, 84%
XYZ	41.2449, 40.7494, 5.8489
YIQ	160.5360, 81.7100, -38.1140

Conversions

Conversions Part 2

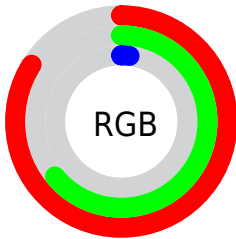
Format	Color
RYB	74, 215, 5
Decimal	14131973
CIELab	70.00, 7.85, 72.81
CIElCh	70, 73.235, 83.845
Yxy	40.7494, 0.4695, 0.4639
Android (android.graphics.Color)	4292322053 (0xFFD7A305)
YUV	160.5360, -76.6792, 47.7649
Hunter-Lab	63.8353, 3.6197, 39.2523

Details

The CIELCh color **70, 73.235, 83.845** 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, 95.752, 300.294**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 70.054, 91.219**, and **50, 57.422, 81.234** is the 20% darker color. If you saturate the color by 10%, you get **70, 73.746, 83.364**, and if you desaturate by 10%, it is **71, 70.536, 85.682**.

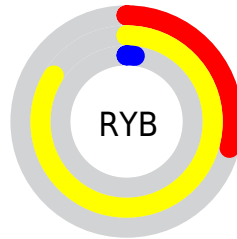
Distribution



Red (84%)

Green (64%)

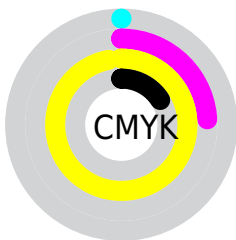
Blue (2%)



Red (29%)

Yellow (84%)

Blue (2%)

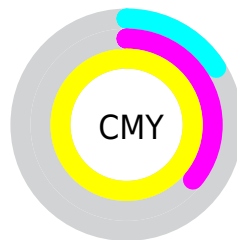


Cyan (0%)

Magenta (24%)

Yellow (97%)

Black (16%)



Cyan (16%)

Magenta (36%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 73.235, 83.845 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, 73.235, 83.845 by changing the saturation by 10% instead.

■ 70, 73.235, 83.845

■ 70, 73.235, 83.845

■ 100, 73.235,
83.845

■ 60, 73.235, 83.845

■ 90, 73.235, 83.845

■ 50, 73.235, 83.845

■ 40, 73.235, 83.845

■ 30, 73.235, 83.845

■ 20, 73.235, 83.845

■ 10, 73.235, 83.845

■ 0, 73.235, 83.845

■ 70, 73.235, 83.845

■ 70, 73.235, 83.845

■ 70, 73.746, 83.364

■ 71, 70.536, 85.682

73, 65.419, 87.276

74, 58.496, 88.729

76, 50.485, 90.108

78, 41.902, 91.446

79, 33.065, 92.752

81, 24.157, 94.029

83, 15.276, 95.269

85, 6.476, 96.460

Harmonies

Complementary

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



70, 73.235, 83.845



34, 95.752, 300.294

Rectangle

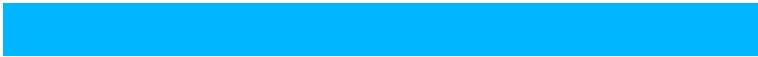
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 73.235, 83.845



70, 73.235, 133.845



70, 73.235, 263.845



70, 73.235, 313.845

Sweetspot

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



70, 73.234, 83.848



94, 29.312, 93.797



46, 78.355, 24.749



49, 20.143, 93.249



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, 73.234, 83.848



81, 83.758, 83.144



80, 88.058, 117.281



44, 4.924, 96.231



56, 62.167, 83.721



13, 19.478, 87.108

Inverse Universe

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



34, 95.752, 300.294



39, 112.655, 301.269



29, 113.984, 307.647



42, 4.963, 278.551



26, 81.457, 300.510



4, 22.922, 287.577

Previews

White Background



This preview shows how the CIELCh color 70, 73.235, 83.845 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, 73.235, 83.845 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, 73.235, 83.845

Background



This preview shows how black text looks on a background with the CIELCh color 70, 73.235, 83.845.



This preview shows how white text looks on a background with the CIELCh color 70, 73.235, 83.845.

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, 73.235, 83.845

Protanopia

70, 71.386, 95.298

Deuteranopia

70, 73.117, 82.695



Tritanopia
70, 28.570, 10.301

Trichromacy



Original Color
70, 73.235, 83.845

Protanomaly
70, 71.655, 91.186

Deuteranomaly
70, 73.056, 83.044

Tritanomaly
69, 39.988, 62.765

Monochromacy



Original Color
70, 73.235, 83.845

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 32.684, 92.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 73.235, 83.845 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, 163, 5)` looks like.

```
.text, #text, p{  
    color:rgb(215, 163, 5)  
}
```

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, 163, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 163, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 73.235, 83.845 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, 163, 5) }
```

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

```
.border{ border-color:rgb(215, 163, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 163, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 163, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 163, 5);  
box-shadow:4px 4px 4px 4px rgb(215, 163,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 73.235, 83.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 163, 5) }
```

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

```
.background{ background-color: rgb(215,  
163, 5) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor