

Converting Colors

CIELCh(65, 71.975, 77.134)

Have a look what the booklet for
CIELCh(65, 71.975, 77.134) contains.

CIELCh(65, 71.655, 77.319)	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(65, 71.655, 77.319)

Conversions

Conversions Part 1

Format	Color
Hex	D39100
RGB	211, 145, 0
RGB Percent	83%, 57%, 0%
CMY	0.1731, 0.4318, 1.0000
CMYK	0.00, 0.31, 1.00, 0.17
HSL	41°, 100%, 41%
HSV	41°, 100%, 83%
XYZ	36.9347, 34.0472, 4.6181
YIQ	148.2040, 85.8810, -31.1030

Conversions

Conversions Part 2

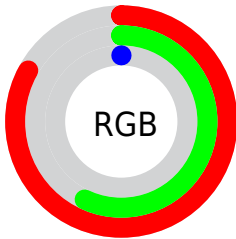
Format	Color
R _Y B	96, 211, 0
Decimal	13865216
CIE Lab	65.00, 15.73, 69.91
CIE LCh	65, 71.655, 77.319
Yxy	34.0472, 0.4886, 0.4504
Android (android.graphics.Color)	4292055296 (0xFFD39100)
YUV	148.2040, -73.0646, 55.0721
Hunter-Lab	58.3500, 10.8757, 36.1524

Details

The CIELCh color **65, 71.655, 77.319** 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, 88.296, 298.013**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 68.088, 83.297**, and **45, 55.817, 72.649** is the 20% darker color. If you saturate the color by 10%, you get **65, 71.622, 77.314**, and if you desaturate by 10%, it is **67, 68.874, 79.608**.

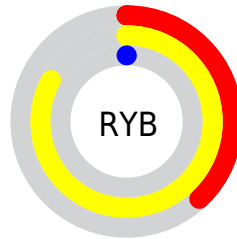
Distribution



Red (83%)

Green (57%)

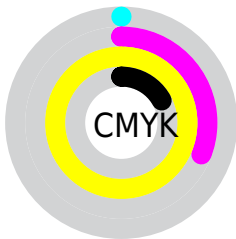
Blue (0%)



Red (38%)

Yellow (83%)

Blue (0%)

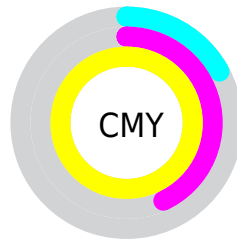


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 71.655, 77.319 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 65, 71.655, 77.319 by changing the saturation by 10% instead.

65, 71.655, 77.319

65, 71.655, 77.319

100, 71.655,
77.319

55, 71.655, 77.319

85, 71.655, 77.319

45, 71.655, 77.319

95, 71.655, 77.319

35, 71.655, 77.319

25, 71.655, 77.319

15, 71.655, 77.319

5, 71.655, 77.319

0, 71.655, 77.319

65, 71.655, 77.319

65, 71.655, 77.319

65, 71.622, 77.314

67, 68.874, 79.608

68, 63.992, 81.544

70, 57.298, 83.210

72, 49.563, 84.730

74, 41.331, 86.170

76, 32.923, 87.559

78, 24.516, 88.907

80, 16.201, 90.215

82, 8.021, 91.471

Harmonies

Complementary

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



65, 71.655, 77.319



35, 88.296, 298.013

Rectangle

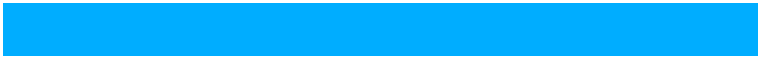
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 71.655, 77.319



65, 71.655, 127.319



65, 71.655, 257.319



65, 71.655, 307.319

Sweetspot

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



65, 71.622, 77.314



92, 28.611, 88.864



45, 75.603, 20.144



48, 19.584, 88.293



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 71.622, 77.314



77, 82.629, 76.989



79, 85.875, 113.873



43, 4.517, 91.544



53, 60.589, 77.775



11, 17.061, 80.856

Inverse Universe

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



35, 88.296, 298.013



43, 103.054, 298.391



27, 114.526, 307.068



41, 4.526, 273.971



28, 73.442, 297.456



4, 20.094, 284.033

Previews

White Background



This preview shows how the CIELCh color 65, 71.655, 77.319 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 65, 71.655, 77.319 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 65, 71.655, 77.319

Background



This preview shows how black text looks on a background with the CIELCh color 65, 71.655, 77.319.



This preview shows how white text looks on a background with the CIELCh color 65, 71.655, 77.319.

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

65, 71.655, 77.319

Protanopia

65, 66.775, 95.504

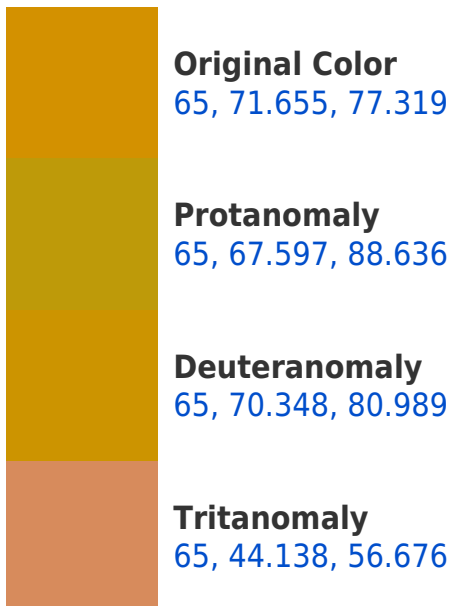
Deuteranopia

65, 69.788, 83.291



Tritanopia
65, 33.577, 13.765

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 71.655, 77.319 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(211, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 145, 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(211, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 145, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 71.655, 77.319 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(211, 145, 0) }
```

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

```
.border{ border-color:rgb(211, 145, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 145,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 71.655, 77.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 145, 0) }
```

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

```
.background{ background-color: rgb(211,  
145, 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](#).

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