

Converting Colors

CIELCh(69, 75.397, 76.643)

Have a look what the booklet for
CIELCh(69, 75.397, 76.643) contains.

CIELCh(69, 75.397, 76.643)	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, 75.397, 76.643)

Conversions

Conversions Part 1

Format	Color
Hex	E29A00
RGB	226, 154, 0
RGB Percent	89%, 60%, 0%
CMY	0.1132, 0.3956, 0.9988
CMYK	0.00, 0.32, 1.00, 0.11
HSL	41°, 100%, 44%
HSV	41°, 100%, 89%
XYZ	42.9867, 39.3444, 5.3370
YIQ	157.9720, 92.3460, -32.6300

Conversions

Conversions Part 2

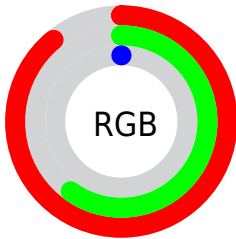
Format	Color
RYB	106, 226, 0
Decimal	14850560
CIELab	69.00, 17.42, 73.36
CIELCh	69, 75.397, 76.643
Yxy	39.3444, 0.4903, 0.4488
Android (android.graphics.Color)	4293040640 (0xFFE29A00)
YUV	157.9720, -77.8802, 59.6606
Hunter-Lab	62.7251, 12.5606, 38.8628

Details

The CIELCh color **69, 75.397, 76.643** 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 **38, 92.485, 297.808**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.766, 87.118**, and **49, 59.599, 71.945** is the 20% darker color. If you saturate the color by 10%, you get **69, 75.430, 76.613**, and if you desaturate by 10%, it is **71, 72.584, 79.017**.

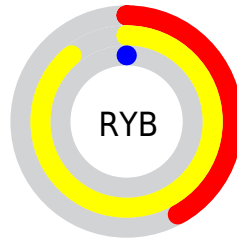
Distribution



Red (89%)

Green (60%)

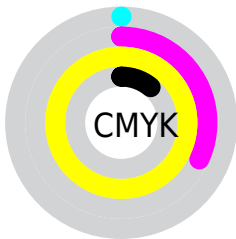
Blue (0%)



Red (42%)

Yellow (89%)

Blue (0%)

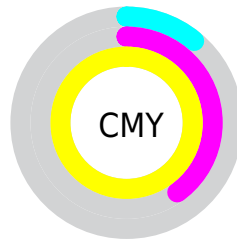


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 75.397, 76.643 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, 75.397, 76.643 by changing the saturation by 10% instead.

69, 75.397, 76.643

69, 75.397, 76.643

100, 75.397,
76.643

59, 75.397, 76.643

89, 75.397, 76.643

49, 75.397, 76.643

99, 75.397, 76.643

39, 75.397, 76.643

29, 75.397, 76.643

19, 75.397, 76.643

9, 75.397, 76.643

0, 75.397, 76.643

69, 75.397, 76.643

69, 75.397, 76.643

69, 75.430, 76.613

71, 72.584, 79.017

73, 67.422, 80.993

75, 60.333, 82.683

77, 52.146, 84.220

79, 43.441, 85.673

81, 34.563, 87.073

83, 25.695, 88.432

85, 16.934, 89.749

88, 8.323, 91.014

Harmonies

Complementary

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



69, 75.397, 76.643



38, 92.485, 297.808

Rectangle

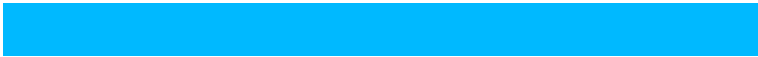
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 75.397, 76.643



69, 75.397, 126.643



69, 75.397, 256.643



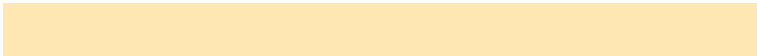
69, 75.397, 306.643

Sweetspot

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



69, 75.395, 76.646



92, 28.462, 88.387



48, 79.154, 18.784



48, 19.485, 87.815



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, 75.395, 76.646



77, 82.582, 76.410



85, 90.166, 112.960



46, 4.759, 91.066



55, 62.563, 77.112



14, 21.005, 80.026

Inverse Universe

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



38, 92.485, 297.808



43, 102.120, 298.085



29, 120.900, 306.921



44, 4.765, 273.522



29, 75.464, 297.259



5, 24.456, 287.223

Previews

White Background



This preview shows how the CIELCh color 69, 75.397, 76.643 looks on a white background.

Color Contrast Check

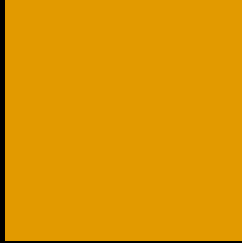
Large Text (above 18pt) WCAG AA × Fail

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 69, 75.397, 76.643 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, 75.397, 76.643

Background



This preview shows how black text looks on a background with the CIELCh color 69, 75.397, 76.643.



This preview shows how white text looks on a background with the CIELCh color 69, 75.397, 76.643.

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, 75.397, 76.643

Protanopia

69, 70.004, 95.170

Deuteranopia

69, 73.163, 83.307



Tritanopia
69, 36.448, 13.916

Trichromacy



Original Color
69, 75.397, 76.643

Protanomaly
69, 70.951, 88.334

Deuteranomaly
69, 73.906, 80.816

Tritanomaly
69, 47.295, 55.313

Monochromacy



Original Color
69, 75.397, 76.643

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 32.836, 86.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 75.397, 76.643 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(226, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 154, 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(226, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 154, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 75.397, 76.643 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(226, 154, 0) }
```

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

```
.border{ border-color:rgb(226, 154, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 154, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 154,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 75.397, 76.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 154, 0) }
```

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

```
.background{ background-color: rgb(226,  
154, 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