

Converting Colors

CIELCh(68, 73.362, 79.433)

Have a look what the booklet for
CIELCh(68, 73.362, 79.433) contains.

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Color

CIELCh(68, 73.294, 79.374)

Conversions

Conversions Part 1

Format	Color
Hex	D99A02
RGB	217, 154, 2
RGB Percent	85%, 60%, 1%
CMY	0.1481, 0.3952, 0.9941
CMYK	0.00, 0.29, 0.99, 0.15
HSL	42°, 99%, 43%
HSV	42°, 99%, 85%
XYZ	40.2856, 37.9720, 5.2492
YIQ	155.5090, 86.3400, -33.9160

Conversions

Conversions Part 2

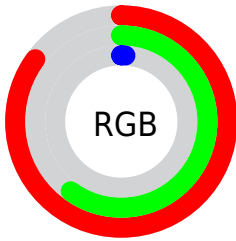
Format	Color
RYB	91, 217, 2
Decimal	14260738
CIELab	68.00, 13.52, 72.04
CIELCh	68, 73.294, 79.374
Yxy	37.9720, 0.4824, 0.4547
Android (android.graphics.Color)	4292450818 (0xFFD99A02)
YUV	155.5090, -75.6799, 53.9276
Hunter-Lab	61.6215, 8.8586, 38.0844

Details

The CIELCh color **68, 73.294, 79.374** 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 **36, 92.585, 298.886**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.766, 87.118**, and **48, 57.170, 75.450** is the 20% darker color. If you saturate the color by 10%, you get **68, 73.457, 79.224**, and if you desaturate by 10%, it is **70, 70.627, 81.549**.

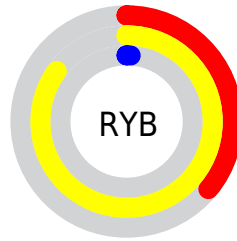
Distribution



Red (85%)

Green (60%)

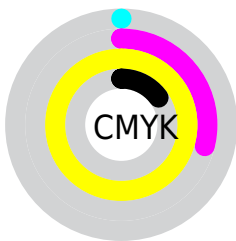
Blue (1%)



Red (36%)

Yellow (85%)

Blue (1%)

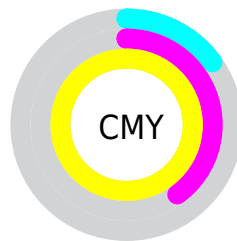


Cyan (0%)

Magenta (29%)

Yellow (99%)

Black (15%)



Cyan (15%)

Magenta (40%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 73.294, 79.374 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 68, 73.294, 79.374 by changing the saturation by 10% instead.

68, 73.294, 79.374

68, 73.294, 79.374

100, 73.294,
79.374

58, 73.294, 79.374

88, 73.294, 79.374

48, 73.294, 79.374

98, 73.294, 79.374

38, 73.294, 79.374

28, 73.294, 79.374

18, 73.294, 79.374

8, 73.294, 79.374

0, 73.294, 79.374

68, 73.294, 79.374

68, 73.294, 79.374

68, 73.457, 79.224

70, 70.627, 81.549

71, 65.648, 83.388

73, 58.802, 84.995

75, 50.864, 86.477

77, 42.383, 87.891

79, 33.692, 89.260

81, 24.974, 90.590

83, 16.328, 91.881

85, 7.800, 93.121

Harmonies

Complementary

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



68, 73.294, 79.374



36, 92.585, 298.886

Rectangle

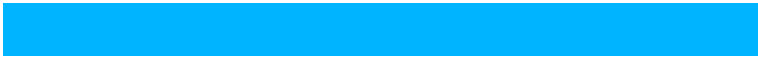
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 73.294, 79.374



68, 73.294, 129.374



68, 73.294, 259.374



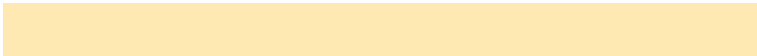
68, 73.294, 309.374

Sweetspot

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



68, 73.293, 79.377



93, 29.138, 90.463



46, 77.688, 21.412



49, 19.932, 89.900



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 73.293, 79.377



79, 82.866, 78.973



81, 88.004, 114.772



45, 4.797, 93.104



55, 62.139, 79.641



13, 20.091, 82.758

Inverse Universe

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



36, 92.585, 298.886



42, 106.216, 299.392



28, 116.546, 307.171



43, 4.816, 275.510



28, 77.610, 298.578



4, 23.615, 287.150

Previews

White Background



This preview shows how the CIELCh color 68, 73.294, 79.374 looks on a white background.

Color Contrast Check

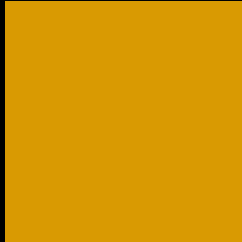
Large Text (above 18pt) WCAG AA × Fail

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 68, 73.294, 79.374 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 68, 73.294, 79.374

Background



This preview shows how black text looks on a background with the CIELCh color 68, 73.294, 79.374.



This preview shows how white text looks on a background with the CIELCh color 68, 73.294, 79.374.

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

68, 73.167, 79.347

Protanopia

68, 69.586, 95.460

Deuteranopia

68, 72.314, 83.000



Tritanopia
68, 32.856, 12.447

Trichromacy



Original Color
68, 73.167, 79.347

Protanomaly
68, 70.073, 89.268

Deuteranomaly
68, 72.645, 81.542

Tritanomaly
67, 43.593, 57.601

Monochromacy



Original Color
68, 73.167, 79.347

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 31.926, 88.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 73.294, 79.374 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(217, 154, 2)` looks like.

```
.text, #text, p{  
    color:rgb(217, 154, 2)  
}
```

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(217, 154, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 154, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 73.294, 79.374 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(217, 154, 2) }
```

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

```
.border{ border-color:rgb(217, 154, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 154, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 154, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 154, 2);  
box-shadow:4px 4px 4px 4px rgb(217, 154,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 73.294, 79.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 154, 2) }
```

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

```
.background{ background-color: rgb(217,  
154, 2) }
```

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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