

Converting Colors

CIELCh(75, 77.061, 83.699)

Have a look what the booklet for
CIELCh(75, 77.061, 83.699) contains.

CIELCh(75, 76.996, 83.710)	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(75, 76.996, 83.710)

Conversions

Conversions Part 1

Format	Color
Hex	E8B00B
RGB	232, 176, 11
RGB Percent	91%, 69%, 4%
CMY	0.0898, 0.3095, 0.9559
CMYK	0.00, 0.24, 0.95, 0.09
HSL	45°, 91%, 48%
HSV	45°, 95%, 91%
XYZ	48.9116, 48.2781, 7.0641
YIQ	173.9340, 86.3410, -39.4430

Conversions

Conversions Part 2

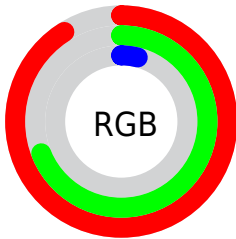
Format	Color
RYB	86, 232, 11
Decimal	15249419
CIELab	75.00, 8.44, 76.53
CIELCh	75, 76.996, 83.710
Yxy	48.2781, 0.4692, 0.4631
Android (android.graphics.Color)	4293439499 (0xFFE8B00B)
YUV	173.9340, -80.3265, 50.9239
Hunter-Lab	69.4824, 4.0594, 42.6099

Details

The CIELCh color **75, 76.996, 83.710** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **38, 98.665, 299.513**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 71.882, 96.197**, and **55, 61.737, 81.272** is the 20% darker color. If you saturate the color by 10%, you get **74, 77.901, 82.748**, and if you desaturate by 10%, it is **77, 73.634, 85.544**.

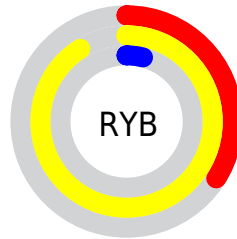
Distribution



Red (91%)

Green (69%)

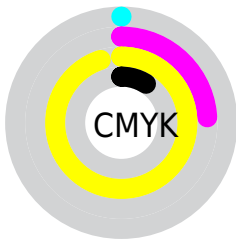
Blue (4%)



Red (34%)

Yellow (91%)

Blue (4%)

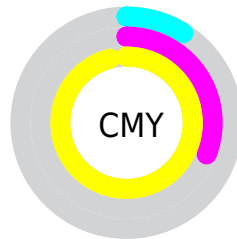


Cyan (0%)

Magenta (24%)

Yellow (95%)

Black (9%)



Cyan (9%)

Magenta (31%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 76.996, 83.710 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 75, 76.996, 83.710 by changing the saturation by 10% instead.

 75, 76.996, 83.710

 75, 76.996, 83.710

 100, 76.996,
83.710

 65, 76.996, 83.710

 95, 76.996, 83.710

 55, 76.996, 83.710

 45, 76.996, 83.710

 35, 76.996, 83.710

 25, 76.996, 83.710

 15, 76.996, 83.710

 5, 76.996, 83.710

 0, 76.996, 83.710

 75, 76.996, 83.710

 75, 76.996, 83.710

74, 77.901, 82.748

77, 73.634, 85.544

78, 67.732, 87.134

80, 60.077, 88.591

81, 51.405, 89.978

83, 42.221, 91.323

85, 32.827, 92.636

87, 23.394, 93.917

89, 14.013, 95.160

91, 4.731, 96.340

Harmonies

Complementary

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



75, 76.996, 83.710



38, 98.665, 299.513

Rectangle

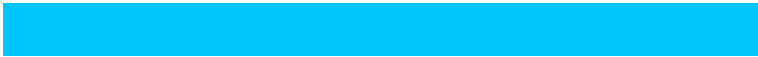
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 76.996, 83.710



75, 76.996, 133.710



75, 76.996, 263.710



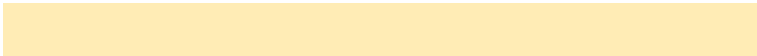
75, 76.996, 313.710

Sweetspot

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



75, 76.995, 83.713



94, 29.161, 93.410



49, 81.312, 22.300



49, 20.043, 92.859



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 76.995, 83.713



81, 83.618, 82.627



86, 92.326, 116.257



48, 5.277, 95.844



59, 64.762, 83.121



17, 24.634, 85.951

Inverse Universe

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



38, 98.665, 299.513



40, 111.875, 301.052



32, 119.941, 307.467



46, 5.316, 278.198



28, 84.777, 300.414



5, 29.372, 292.098

Previews

White Background



This preview shows how the CIELCh color 75, 76.996, 83.710 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 75, 76.996, 83.710 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 75, 76.996, 83.710

Background



This preview shows how black text looks on a background with the CIELCh color 75, 76.996, 83.710.



This preview shows how white text looks on a background with the CIELCh color 75, 76.996, 83.710.

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

75, 76.996, 83.710

Protanopia

75, 75.165, 94.776

Deuteranopia

75, 76.998, 82.651



Tritanopia
75, 30.556, 10.269

Trichromacy



Original Color
75, 76.996, 83.710

Protanomaly
75, 75.495, 90.928

Deuteranomaly
75, 76.940, 82.978

Tritanomaly
74, 42.102, 61.551

Monochromacy



Original Color
75, 76.996, 83.710

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 33.394, 92.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 76.996, 83.710 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(232, 176, 11)` looks like.

```
.text, #text, p{  
    color:rgb(232, 176, 11)  
}
```

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(232, 176, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 176, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 76.996, 83.710 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(232, 176, 11) }
```

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

```
.border{ border-color:rgb(232, 176, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 176, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 176, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 176, 11);  
box-shadow:4px 4px 4px 4px rgb(232, 176,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 76.996, 83.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 176, 11) }
```

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

```
.background{ background-color: rgb(232,  
176, 11) }
```

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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