

Converting Colors

CIELCh(73, 78.355, 78.348)

Have a look what the booklet for
CIELCh(73, 78.355, 78.348) contains.

| | |
|--|----|
| CIELCh(73, 78.321, 78.377) | 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(73, 78.321, 78.377)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EDA600 |
| RGB | 237, 166, 0 |
| RGB Percent | 93%, 65%, 0% |
| CMY | 0.0715, 0.3498, 1.0000 |
| CMYK | 0.00, 0.30, 1.00, 0.07 |
| HSL | 42°, 100%, 46% |
| HSV | 42°, 100%, 93% |
| XYZ | 48.4454, 45.1644, 6.1492 |
| YIQ | 168.3050, 95.6020, -36.5740 |

Conversions

Conversions Part 2

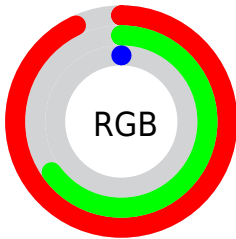
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 101, 237, 0 |
| Decimal | 15574528 |
| CIELab | 73.00, 15.78, 76.71 |
| CIELCh | 73, 78.321, 78.377 |
| Yxy | 45.1644, 0.4856, 0.4527 |
| Android (android.graphics.Color) | 4293764608 (0xFFEDA600) |
| YUV | 168.3050, -82.9744, 60.2455 |
| Hunter-Lab | 67.2044, 11.0669, 41.6180 |

Details

The CIELCh color **73, 78.321, 78.377** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **39, 98.934, 298.902**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 70.861, 92.431**, and **53, 62.204, 74.334** is the 20% darker color. If you saturate the color by 10%, you get **73, 78.262, 78.368**, and if you desaturate by 10%, it is **75, 75.644, 80.649**.

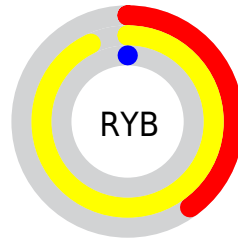
Distribution



Red (93%)

Green (65%)

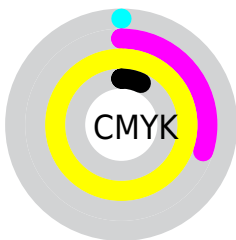
Blue (0%)



Red (40%)

Yellow (93%)

Blue (0%)

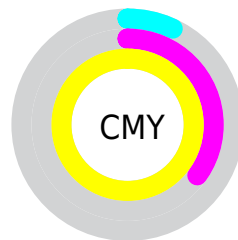


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 78.321, 78.377 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 73, 78.321, 78.377 by changing the saturation by 10% instead.

73, 78.321, 78.377

73, 78.321, 78.377

100, 78.321,
78.377

63, 78.321, 78.377

93, 78.321, 78.377

53, 78.321, 78.377

43, 78.321, 78.377

33, 78.321, 78.377

23, 78.321, 78.377

13, 78.321, 78.377

3, 78.321, 78.377

0, 78.321, 78.377

73, 78.321, 78.377

73, 78.321, 78.377

73, 78.262, 78.368

75, 75.644, 80.649

77, 70.529, 82.565

78, 63.324, 84.220

80, 54.887, 85.733

82, 45.841, 87.169

85, 36.560, 88.557

87, 27.252, 89.904

89, 18.024, 91.211

91, 8.930, 92.468

Harmonies

Complementary

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



73, 78.321, 78.377



39, 98.934, 298.902

Rectangle

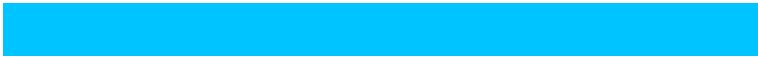
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 78.321, 78.377



73, 78.321, 128.377



73, 78.321, 258.377



73, 78.321, 308.377

Sweetspot

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



73, 78.262, 78.368



93, 28.944, 89.888



50, 83.351, 22.100



48, 19.804, 89.322



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 78.262, 78.368



78, 82.767, 78.253



88, 94.094, 114.878



48, 5.032, 92.533



57, 64.063, 78.851



16, 23.838, 81.750

Inverse Universe

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



39, 98.934, 298.902



42, 105.074, 299.037



31, 124.798, 307.155



46, 5.049, 274.970



29, 79.515, 298.319



6, 27.970, 290.453

Previews

White Background



This preview shows how the CIELCh color 73, 78.321, 78.377 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 73, 78.321, 78.377 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 73, 78.321, 78.377

Background



This preview shows how black text looks on a background with the CIELCh color 73, 78.321, 78.377.



This preview shows how white text looks on a background with the CIELCh color 73, 78.321, 78.377.

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

73, 78.321, 78.377

Protanopia

73, 73.656, 94.914

Deuteranopia

73, 76.674, 83.009



Tritanopia
73, 35.995, 12.786

Trichromacy



Original Color
73, 78.321, 78.377

Protanomaly
73, 74.426, 88.822

Deuteranomaly
73, 77.230, 80.963

Tritanomaly
72, 47.271, 57.037

Monochromacy



Original Color
73, 78.321, 78.377

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 34.485, 87.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 78.321, 78.377 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(237, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 166, 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(237, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 166, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 78.321, 78.377 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(237, 166, 0) }
```

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

```
.border{ border-color:rgb(237, 166, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 166, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 166,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 78.321, 78.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 166, 0) }
```

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

```
.background{ background-color: rgb(237,  
166, 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