

Converting Colors

CIELCh(76, 73.513, 89.889)

Have a look what the booklet for
CIELCh(76, 73.513, 89.889) contains.

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Color

CIELCh(76, 73.417, 89.838)

Conversions

Conversions Part 1

Format	Color
Hex	DEB81F
RGB	222, 184, 31
RGB Percent	87%, 72%, 12%
CMY	0.1296, 0.2786, 0.8786
CMYK	0.00, 0.17, 0.86, 0.13
HSL	48°, 76%, 50%
HSV	48°, 86%, 87%
XYZ	47.4908, 49.8872, 8.4188
YIQ	177.9200, 71.7610, -39.5270

Conversions

Conversions Part 2

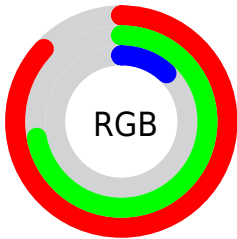
Format	Color
RYB	78, 222, 31
Decimal	14596127
CIELab	76.00, 0.21, 73.42
CIELCh	76, 73.417, 89.838
Yxy	49.8872, 0.4489, 0.4715
Android (android.graphics.Color)	4292786207 (0xFFDEB81F)
YUV	177.9200, -72.4316, 38.6582
Hunter-Lab	70.6309, -3.5842, 42.3746

Details

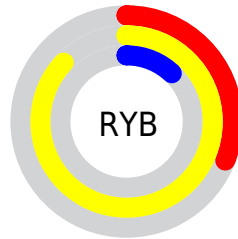
The CIELCh color **76, 73.417, 89.838** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **38, 92.061, 299.049**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 70.927, 99.454**, and **56, 61.157, 88.781** is the 20% darker color. If you saturate the color by 10%, you get **75, 76.236, 88.368**, and if you desaturate by 10%, it is **77, 68.078, 91.188**.

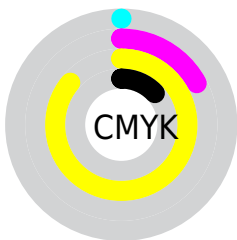
Distribution



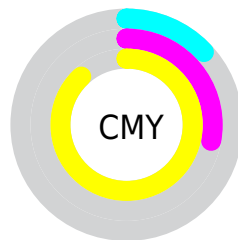
- Red (87%)
- Green (72%)
- Blue (12%)



- Red (31%)
- Yellow (87%)
- Blue (12%)



- Cyan (0%)
- Magenta (17%)
- Yellow (86%)
- Black (13%)



- Cyan (13%)
- Magenta (28%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 73.417, 89.838 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 76, 73.417, 89.838 by changing the saturation by 10% instead.

 76, 73.417, 89.838

 76, 73.417, 89.838

 100, 73.417,
89.838

 66, 73.417, 89.838

 96, 73.417, 89.838

 56, 73.417, 89.838

 46, 73.417, 89.838

 36, 73.417, 89.838

 26, 73.417, 89.838

 16, 73.417, 89.838

 6, 73.417, 89.838

 0, 73.417, 89.838

 76, 73.417, 89.838

 76, 73.417, 89.838

75, 76.236, 88.368

77, 68.078, 91.188

74, 76.903, 87.762

79, 60.873, 92.476

80, 52.498, 93.738

81, 43.471, 94.986

83, 34.119, 96.220

84, 24.638, 97.434

86, 15.138, 98.620

87, 5.680, 99.758

89, 3.702, 280.952

Harmonies

Complementary

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



76, 73.417, 89.838



38, 92.061, 299.049

Rectangle

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



76, 73.417, 89.838



76, 73.417, 139.838



76, 73.417, 269.838



76, 73.417, 319.838

Sweetspot

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



76, 73.416, 89.841



95, 27.517, 97.416



48, 76.039, 22.883



50, 18.663, 96.995



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 73.416, 89.841



84, 85.345, 87.626



82, 87.409, 118.819



46, 5.386, 99.380



60, 64.744, 88.030



16, 23.143, 90.899

Inverse Universe

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



38, 92.061, 299.049



37, 119.135, 302.972



35, 108.385, 308.314



44, 5.449, 281.619



25, 88.439, 302.383



4, 27.322, 291.295

Previews

White Background



This preview shows how the CIELCh color 76, 73.417, 89.838 looks on a white background.

Color Contrast Check

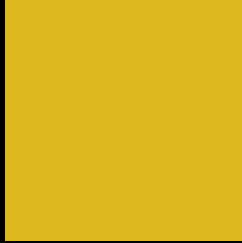
Large Text (above 18pt) WCAG AA × Fail

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 76, 73.417, 89.838 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 76, 73.417, 89.838

Background



This preview shows how black text looks on a background with the CIELCh color 76, 73.417, 89.838.



This preview shows how white text looks on a background with the CIELCh color 76, 73.417, 89.838.

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

76, 73.417, 89.838

Protanopia

76, 73.064, 95.205

Deuteranopia

76, 73.584, 82.579



Tritanopia
76, 24.323, 5.107

Trichromacy



Original Color
76, 73.417, 89.838

Protanomaly
76, 73.131, 93.428

Deuteranomaly
76, 73.253, 85.087

Tritanomaly
76, 34.370, 67.883

Monochromacy



Original Color
76, 73.417, 89.838

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 30.061, 96.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 73.417, 89.838 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(222, 184, 31)` looks like.

```
.text, #text, p{  
    color:rgb(222, 184, 31)  
}
```

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(222, 184, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 184, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 73.417, 89.838 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(222, 184, 31) }
```

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

```
.border{ border-color:rgb(222, 184, 31) }
```

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

Here you see how a box with a 4 pixel rgb(222, 184, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 184, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 184, 31);  
box-shadow:4px 4px 4px 4px rgb(222, 184,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 73.417, 89.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 184, 31) }
```

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

```
.background{ background-color: rgb(222,  
184, 31) }
```

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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