

Converting Colors

CIELCh(75, 77.109, 82.960)

Have a look what the booklet for
CIELCh(75, 77.109, 82.960) contains.

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Color

CIELCh(75, 77.118, 82.671)

Conversions

Conversions Part 1

Format	Color
Hex	EAAF0C
RGB	234, 175, 12
RGB Percent	92%, 69%, 5%
CMY	0.0816, 0.3130, 0.9511
CMYK	0.00, 0.25, 0.95, 0.08
HSL	44°, 90%, 48%
HSV	44°, 95%, 92%
XYZ	49.4268, 48.2781, 7.0758
YIQ	174.0590, 87.4870, -38.1850

Conversions

Conversions Part 2

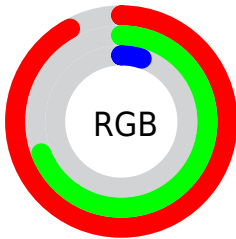
Format	Color
R _Y B	92, 234, 12
Decimal	15380236
CIE Lab	75.00, 9.84, 76.49
CIE LCh	75, 77.118, 82.671
Yxy	48.2781, 0.4717, 0.4608
Android (android.graphics.Color)	4293570316 (0xFFEAAF0C)
YUV	174.0590, -79.8951, 52.5683
Hunter-Lab	69.4824, 5.3830, 42.5998

Details

The CIELCh color **75, 77.118, 82.671** 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, 97.183, 298.813**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 71.572, 95.824**, and **55, 62.072, 79.939** is the 20% darker color. If you saturate the color by 10%, you get **74, 78.156, 81.560**, and if you desaturate by 10%, it is **77, 73.530, 84.571**.

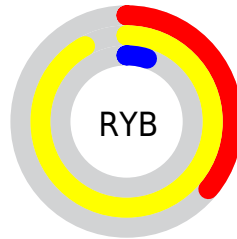
Distribution



Red (92%)

Green (69%)

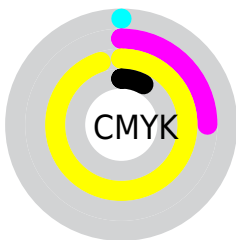
Blue (5%)



Red (36%)

Yellow (92%)

Blue (5%)

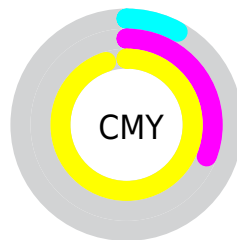


Cyan (0%)

Magenta (25%)

Yellow (95%)

Black (8%)



Cyan (8%)

Magenta (31%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 77.118, 82.671 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, 77.118, 82.671 by changing the saturation by 10% instead.

75, 77.118, 82.671

75, 77.118, 82.671

100, 77.118,
82.671

65, 77.118, 82.671

95, 77.118, 82.671

55, 77.118, 82.671

45, 77.118, 82.671

35, 77.118, 82.671

25, 77.118, 82.671

15, 77.118, 82.671

5, 77.118, 82.671

0, 77.118, 82.671

75, 77.118, 82.671

75, 77.118, 82.671

74, 78.156, 81.560

77, 73.530, 84.571

78, 67.427, 86.205

80, 59.630, 87.692

82, 50.873, 89.102

84, 41.649, 90.465

86, 32.250, 91.794

88, 22.836, 93.087

90, 13.493, 94.340

92, 4.264, 95.524

Harmonies

Complementary

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



75, 77.118, 82.671



39, 97.183, 298.813

Rectangle

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



75, 77.118, 82.671



75, 77.118, 132.671



75, 77.118, 262.671



75, 77.118, 312.671

Sweetspot

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



75, 77.117, 82.674



94, 27.814, 92.645



50, 81.668, 22.058



49, 19.243, 92.083



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, 77.117, 82.674



80, 83.329, 81.444



86, 92.846, 116.220



48, 5.208, 94.972



59, 64.530, 81.967



17, 24.404, 84.836

Inverse Universe

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



39, 97.183, 298.813



40, 110.070, 300.540



33, 120.527, 307.469



46, 5.241, 277.350



28, 83.374, 299.879



5, 29.004, 291.684

Previews

White Background



This preview shows how the CIELCh color 75, 77.118, 82.671 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, 77.118, 82.671 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, 77.118, 82.671

Background



This preview shows how black text looks on a background with the CIELCh color 75, 77.118, 82.671.



This preview shows how white text looks on a background with the CIELCh color 75, 77.118, 82.671.

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, 77.118, 82.671

Protanopia

75, 74.871, 94.772

Deuteranopia

75, 77.118, 82.671



Tritanopia
75, 31.753, 10.868

Trichromacy



Original Color
75, 77.118, 82.671

Protanomaly
75, 75.138, 90.181

Deuteranomaly
75, 77.118, 82.671

Tritanomaly
74, 42.778, 60.002

Monochromacy



Original Color
75, 77.118, 82.671

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 33.168, 90.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 77.118, 82.671 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(234, 175, 12)` looks like.

```
.text, #text, p{  
    color:rgb(234, 175, 12)  
}
```

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(234, 175, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 175, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 77.118, 82.671 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(234, 175, 12) }
```

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

```
.border{ border-color:rgb(234, 175, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 175, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 175, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 175, 12);  
box-shadow:4px 4px 4px 4px rgb(234, 175,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 77.118, 82.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 175, 12) }
```

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

```
.background{ background-color: rgb(234,  
175, 12) }
```

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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