

Converting Colors

CIELCh(72, 77.389, 76.810)

Have a look what the booklet for
CIELCh(72, 77.389, 76.810) contains.

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Color

CIELCh(72, 77.360, 76.917)

Conversions

Conversions Part 1

Format	Color
Hex	ECA205
RGB	236, 162, 5
RGB Percent	93%, 64%, 2%
CMY	0.0747, 0.3649, 0.9808
CMYK	0.00, 0.31, 0.98, 0.07
HSL	41°, 96%, 47%
HSV	41°, 98%, 93%
XYZ	47.5133, 43.6590, 6.0628
YIQ	166.2280, 94.5010, -33.1390

Conversions

Conversions Part 2

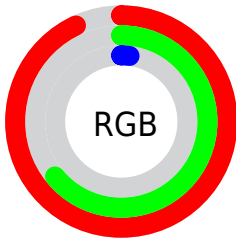
Format	Color
R _Y B	114, 236, 5
Decimal	15507973
CIE Lab	72.00, 17.51, 75.35
CIE LCh	72, 77.360, 76.917
Yxy	43.6590, 0.4886, 0.4490
Android (android.graphics.Color)	4293698053 (0xFFECA205)
YUV	166.2280, -79.4854, 61.1900
Hunter-Lab	66.0750, 12.7247, 40.8122

Details

The CIELCh color **72, 77.360, 76.917** 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 **41, 93.576, 297.197**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 69.792, 90.807**, and **52, 61.948, 73.082** is the 20% darker color. If you saturate the color by 10%, you get **72, 77.869, 76.413**, and if you desaturate by 10%, it is **74, 74.184, 79.268**.

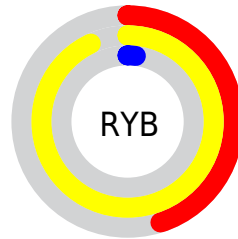
Distribution



Red (93%)

Green (64%)

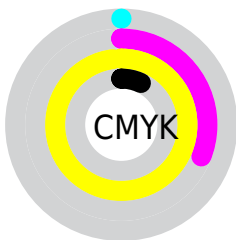
Blue (2%)



Red (45%)

Yellow (93%)

Blue (2%)

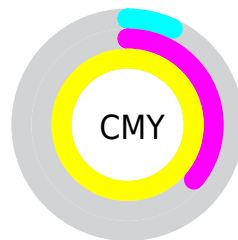


Cyan (0%)

Magenta (31%)

Yellow (98%)

Black (7%)



Cyan (7%)

Magenta (36%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 77.360, 76.917 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 72, 77.360, 76.917 by changing the saturation by 10% instead.

72, 77.360, 76.917

72, 77.360, 76.917

100, 77.360,
76.917

62, 77.360, 76.917

92, 77.360, 76.917

52, 77.360, 76.917

42, 77.360, 76.917

32, 77.360, 76.917

22, 77.360, 76.917

12, 77.360, 76.917

2, 77.360, 76.917

0, 77.360, 76.917

72, 77.360, 76.917

72, 77.360, 76.917

72, 77.869, 76.413

74, 74.184, 79.268

76, 68.418, 81.191

78, 60.818, 82.854

80, 52.211, 84.377

82, 43.151, 85.824

84, 33.957, 87.221

87, 24.802, 88.576

89, 15.769, 89.889

91, 6.899, 91.144

Harmonies

Complementary

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



72, 77.360, 76.917



41, 93.576, 297.197

Rectangle

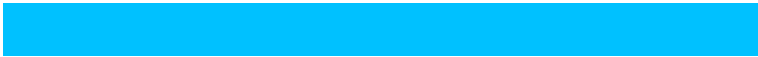
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 77.360, 76.917



72, 77.360, 126.917



72, 77.360, 256.917



72, 77.360, 306.917

Sweetspot

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



72, 77.358, 76.920



93, 27.457, 88.416



50, 81.080, 17.889



48, 18.909, 87.839



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 77.358, 76.920



77, 82.573, 76.283



88, 92.695, 112.859



48, 4.930, 90.957



56, 63.890, 76.925



16, 23.528, 79.785

Inverse Universe

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



41, 93.576, 297.197



43, 101.915, 298.017



31, 123.897, 306.862



46, 4.935, 273.427



30, 77.092, 297.264



6, 27.300, 289.589

Previews

White Background



This preview shows how the CIELCh color 72, 77.360, 76.917 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 72, 77.360, 76.917 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 72, 77.360, 76.917

Background



This preview shows how black text looks on a background with the CIELCh color 72, 77.360, 76.917.



This preview shows how white text looks on a background with the CIELCh color 72, 77.360, 76.917.

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

72, 77.360, 76.917

Protanopia

72, 72.559, 94.786

Deuteranopia

72, 75.940, 83.129



Tritanopia
72, 36.906, 14.002

Trichromacy



Original Color
72, 77.360, 76.917

Protanomaly
72, 73.411, 88.239

Deuteranomaly
72, 76.259, 81.016

Tritanomaly
72, 47.458, 55.581

Monochromacy



Original Color
72, 77.360, 76.917

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 33.552, 87.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 77.360, 76.917 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(236, 162, 5)` looks like.

```
.text, #text, p{  
    color:rgb(236, 162, 5)  
}
```

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(236, 162, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 162, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 77.360, 76.917 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(236, 162, 5) }
```

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

```
.border{ border-color:rgb(236, 162, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 162, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 162, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 162, 5);  
box-shadow:4px 4px 4px 4px rgb(236, 162,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 77.360, 76.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 162, 5) }
```

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

```
.background{ background-color: rgb(236,  
162, 5) }
```

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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