

Converting Colors

CIELCh(72, 76.400, 78.126)

Have a look what the booklet for
CIELCh(72, 76.400, 78.126) contains.

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Color

CIELCh(72, 76.287, 78.101)

Conversions

Conversions Part 1

Format	Color
Hex	E9A30A
RGB	233, 163, 10
RGB Percent	91%, 64%, 4%
CMY	0.0853, 0.3599, 0.9623
CMYK	0.00, 0.30, 0.96, 0.09
HSL	41°, 92%, 48%
HSV	41°, 96%, 91%
XYZ	46.8760, 43.6590, 6.2321
YIQ	166.4880, 90.8330, -32.7430

Conversions

Conversions Part 2

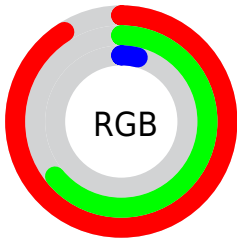
Format	Color
RYB	112, 233, 10
Decimal	15311626
CIELab	72.00, 15.73, 74.65
CIElCh	72, 76.287, 78.101
Yxy	43.6590, 0.4844, 0.4512
Android (android.graphics.Color)	4293501706 (0xFFE9A30A)
YUV	166.4880, -77.1486, 58.3310
Hunter-Lab	66.0750, 11.0033, 40.6603

Details

The CIELCh color **72, 76.287, 78.101** 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, 91.627, 296.861**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 69.282, 91.149**, and **52, 61.153, 74.723** is the 20% darker color. If you saturate the color by 10%, you get **71, 77.252, 77.107**, and if you desaturate by 10%, it is **74, 72.682, 80.322**.

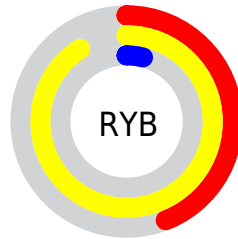
Distribution



Red (91%)

Green (64%)

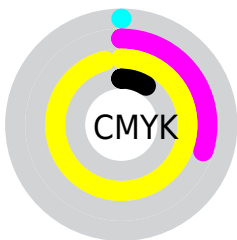
Blue (4%)



Red (44%)

Yellow (91%)

Blue (4%)

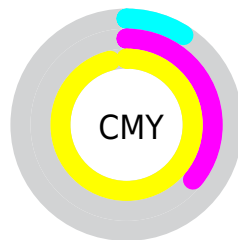


Cyan (0%)

Magenta (30%)

Yellow (96%)

Black (9%)



Cyan (9%)

Magenta (36%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 76.287, 78.101 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, 76.287, 78.101 by changing the saturation by 10% instead.

72, 76.287, 78.101

72, 76.287, 78.101

100, 76.287,
78.101

62, 76.287, 78.101

92, 76.287, 78.101

52, 76.287, 78.101

42, 76.287, 78.101

32, 76.287, 78.101

22, 76.287, 78.101

12, 76.287, 78.101

2, 76.287, 78.101

0, 76.287, 78.101

72, 76.287, 78.101

72, 76.287, 78.101

71, 77.252, 77.107

74, 72.682, 80.322

76, 66.562, 82.154

78, 58.792, 83.765

80, 50.139, 85.259

82, 41.102, 86.686

84, 31.961, 88.068

86, 22.870, 89.409

89, 13.902, 90.706

91, 5.091, 91.935

Harmonies

Complementary

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



72, 76.287, 78.101



41, 91.627, 296.861

Rectangle

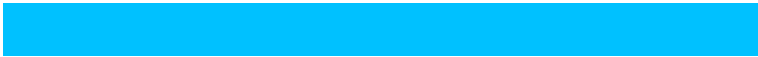
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 76.287, 78.101



72, 76.287, 128.101



72, 76.287, 258.101



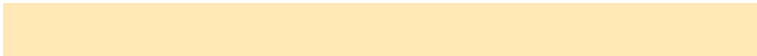
72, 76.287, 308.101

Sweetspot

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



72, 76.285, 78.104



93, 27.627, 88.976



50, 80.141, 18.263



48, 19.022, 88.400



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, 76.285, 78.104



77, 82.627, 76.962



87, 91.769, 113.644



48, 4.965, 91.507



56, 63.940, 77.589



16, 23.631, 80.468

Inverse Universe

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



41, 91.627, 296.861



43, 103.009, 298.377



31, 121.561, 306.970



46, 4.974, 273.965



30, 77.930, 297.636



6, 27.534, 289.898

Previews

White Background



This preview shows how the CIELCh color 72, 76.287, 78.101 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, 76.287, 78.101 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, 76.287, 78.101

Background



This preview shows how black text looks on a background with the CIELCh color 72, 76.287, 78.101.



This preview shows how white text looks on a background with the CIELCh color 72, 76.287, 78.101.

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, 76.175, 78.077

Protanopia

72, 72.334, 95.140

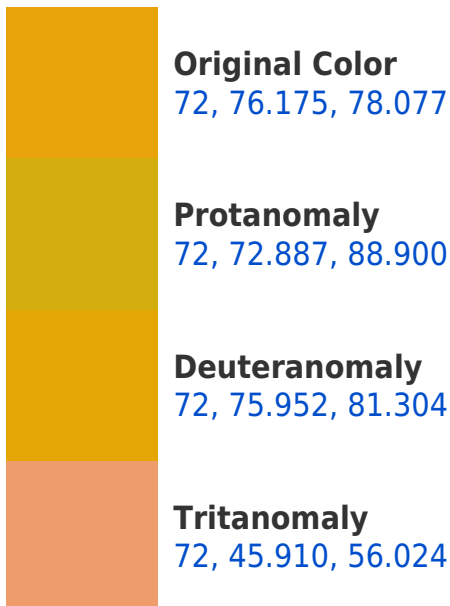
Deuteranopia

72, 75.940, 83.129



Tritanopia
72, 35.281, 13.380

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 76.287, 78.101 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(233, 163, 10)` looks like.

```
.text, #text, p{  
    color:rgb(233, 163, 10)  
}
```

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(233, 163, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 163, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 76.287, 78.101 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(233, 163, 10) }
```

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

```
.border{ border-color:rgb(233, 163, 10) }
```

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

Here you see how a box with a 4 pixel rgb(233, 163, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 163, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 163, 10);  
box-shadow:4px 4px 4px 4px rgb(233, 163,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 76.287, 78.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 163, 10) }
```

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

```
.background{ background-color: rgb(233,  
163, 10) }
```

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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