

Converting Colors

CIELCh(72, 75.670, 78.446)

Have a look what the booklet for
CIELCh(72, 75.670, 78.446) contains.

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Color

CIELCh(72, 75.655, 78.714)

Conversions

Conversions Part 1

Format	Color
Hex	E8A40D
RGB	232, 164, 13
RGB Percent	91%, 64%, 5%
CMY	0.0908, 0.3574, 0.9503
CMYK	0.00, 0.29, 0.95, 0.09
HSL	41°, 90%, 48%
HSV	41°, 95%, 91%
XYZ	46.5481, 43.6590, 6.3433
YIQ	167.1180, 88.9990, -32.5450

Conversions

Conversions Part 2

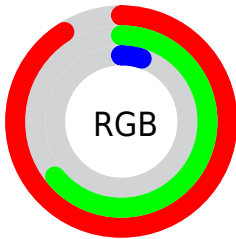
Format	Color
RYB	112, 232, 13
Decimal	15246349
CIELab	72.00, 14.81, 74.19
CIELCh	72, 75.655, 78.714
Yxy	43.6590, 0.4821, 0.4522
Android (android.graphics.Color)	4293436429 (0xFFE8A40D)
YUV	167.1180, -75.9802, 56.9015
Hunter-Lab	66.0750, 10.1175, 40.5606

Details

The CIELCh color **72, 75.655, 78.714** 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, 90.216, 296.546**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 69.161, 91.527**, and **52, 61.165, 75.272** is the 20% darker color. If you saturate the color by 10%, you get **71, 76.925, 77.405**, and if you desaturate by 10%, it is **74, 71.709, 80.855**.

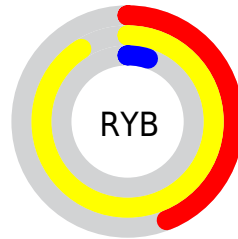
Distribution



Red (91%)

Green (64%)

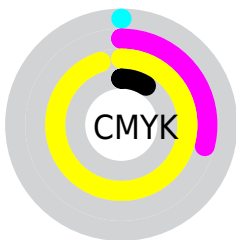
Blue (5%)



Red (44%)

Yellow (91%)

Blue (5%)

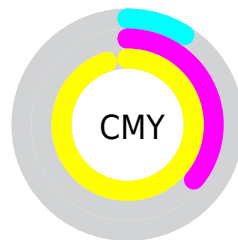


Cyan (0%)

Magenta (29%)

Yellow (95%)

Black (9%)



Cyan (9%)

Magenta (36%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 75.655, 78.714 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, 75.655, 78.714 by changing the saturation by 10% instead.

 72, 75.655, 78.714

 72, 75.655, 78.714

 100, 75.655,
78.714

 62, 75.655, 78.714

 92, 75.655, 78.714

 52, 75.655, 78.714

 42, 75.655, 78.714

 32, 75.655, 78.714

 22, 75.655, 78.714

 12, 75.655, 78.714

 2, 75.655, 78.714

 0, 75.655, 78.714

 72, 75.655, 78.714

 72, 75.655, 78.714

71, 76.925, 77.405

74, 71.709, 80.855

76, 65.359, 82.638

78, 57.478, 84.222

80, 48.793, 85.700

82, 39.766, 87.117

84, 30.657, 88.490

86, 21.606, 89.822

89, 12.680, 91.110

91, 3.910, 92.318

Harmonies

Complementary

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



72, 75.655, 78.714



41, 90.216, 296.546

Rectangle

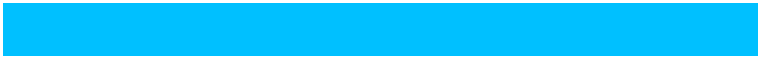
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 75.655, 78.714



72, 75.655, 128.714



72, 75.655, 258.714



72, 75.655, 308.714

Sweetspot

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



72, 75.654, 78.717



93, 26.724, 89.345



50, 79.271, 17.496



49, 18.512, 88.766



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, 75.654, 78.717



77, 82.654, 77.251



86, 91.035, 113.547



47, 4.890, 91.742



56, 63.297, 77.901



15, 22.419, 80.825

Inverse Universe

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



41, 90.216, 296.546



42, 103.473, 298.527



31, 120.286, 306.957



45, 4.901, 274.190



29, 77.384, 297.755



5, 26.168, 288.799

Previews

White Background



This preview shows how the CIELCh color 72, 75.655, 78.714 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, 75.655, 78.714 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, 75.655, 78.714

Background



This preview shows how black text looks on a background with the CIELCh color 72, 75.655, 78.714.



This preview shows how white text looks on a background with the CIELCh color 72, 75.655, 78.714.

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, 75.655, 78.714

Protanopia

72, 72.009, 95.137

Deuteranopia

72, 75.940, 83.129



Tritanopia
72, 34.894, 12.346

Trichromacy



Original Color
72, 75.655, 78.714

Protanomaly
72, 72.443, 88.861

Deuteranomaly
72, 75.722, 81.263

Tritanomaly
71, 44.426, 55.722

Monochromacy



Original Color
72, 75.655, 78.714

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 31.847, 87.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 75.655, 78.714 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(232, 164, 13)` looks like.

```
.text, #text, p{  
    color:rgb(232, 164, 13)  
}
```

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(232, 164, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 164, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 75.655, 78.714 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(232, 164, 13) }
```

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

```
.border{ border-color:rgb(232, 164, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 164, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 164, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 164, 13);  
box-shadow:4px 4px 4px 4px rgb(232, 164,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 75.655, 78.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 164, 13) }
```

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

```
.background{ background-color: rgb(232,  
164, 13) }
```

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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