

Converting Colors

CIELCh(74, 78.523, 79.546)

Have a look what the booklet for
CIELCh(74, 78.523, 79.546) contains.

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Color

CIELCh(74, 78.649, 79.669)

Conversions

Conversions Part 1

Format	Color
Hex	ECAA00
RGB	238, 170, 0
RGB Percent	93%, 67%, 0%
CMY	0.0684, 0.3348, 1.0000
CMYK	0.00, 0.29, 1.00, 0.07
HSL	43°, 100%, 47%
HSV	43°, 100%, 93%
XYZ	49.4108, 46.7039, 6.4089
YIQ	170.9520, 95.0980, -38.4540

Conversions

Conversions Part 2

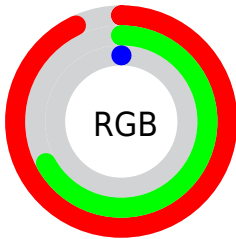
Format	Color
R _Y B	95, 238, 0
Decimal	15641088
CIE Lab	74.00, 14.10, 77.37
CIE LCh	74, 78.649, 79.669
Yxy	46.7039, 0.4819, 0.4555
Android (android.graphics.Color)	4293831168 (0xFFEEAA00)
YUV	170.9520, -84.2793, 58.8011
Hunter-Lab	68.3403, 9.4620, 42.2780

Details

The CIELCh color **74, 78.649, 79.669** 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 **38, 101.166, 299.553**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 71.607, 93.978**, and **54, 62.517, 76.109** is the 20% darker color. If you saturate the color by 10%, you get **74, 78.643, 79.671**, and if you desaturate by 10%, it is **76, 76.138, 81.861**.

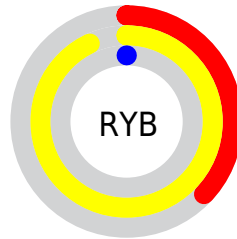
Distribution



Red (93%)

Green (67%)

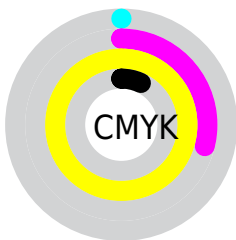
Blue (0%)



Red (37%)

Yellow (93%)

Blue (0%)

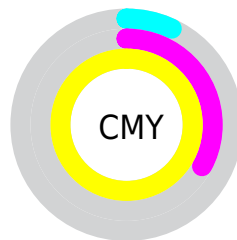


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (33%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 78.649, 79.669 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 74, 78.649, 79.669 by changing the saturation by 10% instead.

 74, 78.649, 79.669

 74, 78.649, 79.669

 100, 78.649,
79.669

 64, 78.649, 79.669

 94, 78.649, 79.669

 54, 78.649, 79.669

 44, 78.649, 79.669

 34, 78.649, 79.669

 24, 78.649, 79.669

 14, 78.649, 79.669

 4, 78.649, 79.669

 0, 78.649, 79.669

 74, 78.649, 79.669

 74, 78.649, 79.669

74, 78.643, 79.671

76, 76.138, 81.861

77, 71.115, 83.717

79, 63.959, 85.333

81, 55.522, 86.821

83, 46.432, 88.239

85, 37.074, 89.612

87, 27.662, 90.946

89, 18.312, 92.242

92, 9.080, 93.488

Harmonies

Complementary

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



74, 78.649, 79.669



38, 101.166, 299.553

Rectangle

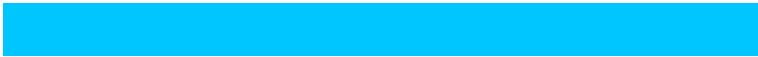
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 78.649, 79.669



74, 78.649, 129.669



74, 78.649, 259.669



74, 78.649, 309.669

Sweetspot

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



74, 78.643, 79.671



93, 29.301, 90.931



50, 83.564, 22.111



49, 20.040, 90.371



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 78.643, 79.671



79, 82.960, 79.567



88, 94.329, 114.880



49, 5.194, 93.551



58, 64.894, 80.108



17, 25.292, 82.941

Inverse Universe

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



38, 101.166, 299.553



41, 107.151, 299.677



31, 125.110, 307.154



47, 5.218, 275.970



29, 82.046, 299.016



6, 29.916, 292.126

Previews

White Background



This preview shows how the CIELCh color 74, 78.649, 79.669 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 74, 78.649, 79.669 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 74, 78.649, 79.669

Background



This preview shows how black text looks on a background with the CIELCh color 74, 78.649, 79.669.



This preview shows how white text looks on a background with the CIELCh color 74, 78.649, 79.669.

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

74, 78.759, 79.690

Protanopia

74, 74.736, 95.038

Deuteranopia

74, 77.685, 82.987



Tritanopia
74, 34.663, 12.207

Trichromacy



Original Color
74, 78.759, 79.690

Protanomaly
74, 75.317, 89.377

Deuteranomaly
74, 77.948, 81.976

Tritanomaly
73, 46.698, 58.835

Monochromacy



Original Color
74, 78.759, 79.690

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 34.730, 88.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 78.649, 79.669 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(238, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 170, 0)  
}
```

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(238, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 170, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 78.649, 79.669 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(238, 170, 0) }
```

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

```
.border{ border-color:rgb(238, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 170,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 78.649, 79.669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 170, 0) }
```

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

```
.background{ background-color: rgb(238,  
170, 0) }
```

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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