

Converting Colors

CIELCh(73, 78.389, 78.618)

Have a look what the booklet for
CIELCh(73, 78.389, 78.618) contains.

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Color

CIELCh(73, 78.108, 78.667)

Conversions

Conversions Part 1

Format	Color
Hex	ECA600
RGB	236, 166, 0
RGB Percent	93%, 65%, 0%
CMY	0.0740, 0.3486, 0.9988
CMYK	0.00, 0.30, 1.00, 0.07
HSL	42°, 100%, 46%
HSV	42°, 100%, 93%
XYZ	48.2890, 45.1644, 6.1805
YIQ	168.0060, 95.0060, -36.7860

Conversions

Conversions Part 2

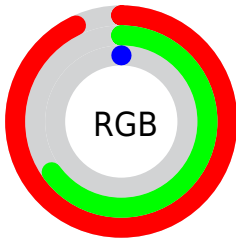
Format	Color
RYB	100, 236, 0
Decimal	15508992
CIELab	73.00, 15.35, 76.59
CIElCh	73, 78.108, 78.667
Yxy	45.1644, 0.4847, 0.4533
Android (android.graphics.Color)	4293699072 (0xFFECA600)
YUV	168.0060, -82.8270, 59.6307
Hunter-Lab	67.2044, 10.6514, 41.5904

Details

The CIELCh color **73, 78.108, 78.667** 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, 98.990, 298.995**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 70.861, 92.431**, and **53, 61.945, 74.700** is the 20% darker color. If you saturate the color by 10%, you get **73, 78.135, 78.641**, and if you desaturate by 10%, it is **75, 75.493, 80.928**.

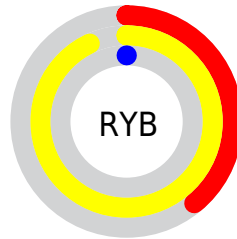
Distribution



Red (93%)

Green (65%)

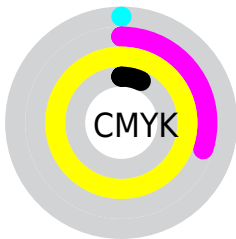
Blue (0%)



Red (39%)

Yellow (93%)

Blue (0%)

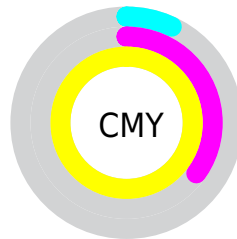


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 78.108, 78.667 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 73, 78.108, 78.667 by changing the saturation by 10% instead.

73, 78.108, 78.667

73, 78.108, 78.667

100, 78.108,
78.667

63, 78.108, 78.667

93, 78.108, 78.667

53, 78.108, 78.667

43, 78.108, 78.667

33, 78.108, 78.667

23, 78.108, 78.667

13, 78.108, 78.667

3, 78.108, 78.667

0, 78.108, 78.667

73, 78.108, 78.667

73, 78.108, 78.667

73, 78.135, 78.641

75, 75.493, 80.928

77, 70.376, 82.827

78, 63.178, 84.472

80, 54.753, 85.978

82, 45.718, 87.410

84, 36.446, 88.793

87, 27.143, 90.138

89, 17.918, 91.442

91, 8.822, 92.695

Harmonies

Complementary

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



73, 78.108, 78.667



39, 98.990, 298.995

Rectangle

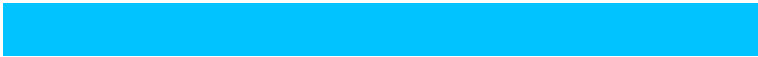
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 78.108, 78.667



73, 78.108, 128.667



73, 78.108, 258.667



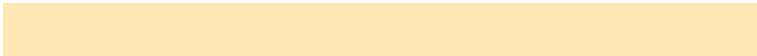
73, 78.108, 308.667

Sweetspot

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



73, 78.106, 78.670



93, 29.016, 90.104



50, 83.119, 22.022



48, 19.852, 89.540



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 78.106, 78.670



78, 82.802, 78.523



87, 93.871, 114.866



48, 5.047, 92.745



57, 64.094, 79.115



16, 23.883, 82.016

Inverse Universe

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



39, 98.990, 298.995



42, 105.503, 299.171



31, 124.475, 307.154



46, 5.064, 275.177



29, 79.846, 298.458



6, 28.060, 290.564

Previews

White Background



This preview shows how the CIELCh color 73, 78.108, 78.667 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 73, 78.108, 78.667 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 73, 78.108, 78.667

Background



This preview shows how black text looks on a background with the CIELCh color 73, 78.108, 78.667.



This preview shows how white text looks on a background with the CIELCh color 73, 78.108, 78.667.

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

73, 78.108, 78.667

Protanopia

73, 73.656, 94.914

Deuteranopia

73, 76.674, 83.009



Tritanopia
73, 35.995, 12.786

Trichromacy



Original Color
73, 78.108, 78.667

Protanomaly
73, 74.426, 88.822

Deuteranomaly
73, 77.123, 81.675

Tritanomaly
72, 47.271, 57.037

Monochromacy



Original Color
73, 78.108, 78.667

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 34.485, 87.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 78.108, 78.667 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, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 166, 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(236, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 166, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 78.108, 78.667 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, 166, 0) }
```

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

```
.border{ border-color:rgb(236, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 166,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 78.108, 78.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 166, 0) }
```

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

```
.background{ background-color: rgb(236,  
166, 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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