

Converting Colors

CIELCh(78, 72.110, 89.590)

Have a look what the booklet for
CIELCh(78, 72.110, 89.590) contains.

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Color

CIELCh(78, 72.110, 89.590)

Conversions

Conversions Part 1

Format	Color
Hex	E4BD2B
RGB	228, 189, 43
RGB Percent	89%, 74%, 17%
CMY	0.1048, 0.2579, 0.8302
CMYK	0.00, 0.17, 0.81, 0.10
HSL	47°, 78%, 53%
HSV	47°, 81%, 90%
XYZ	50.7699, 53.2120, 9.9090
YIQ	184.0170, 70.1100, -37.1380

Conversions

Conversions Part 2

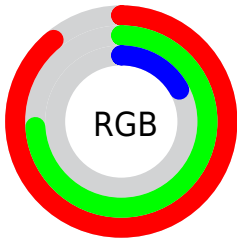
Format	Color
RYB	92, 228, 43
Decimal	14990635
CIELab	78.00, 0.52, 72.11
CIELCh	78, 72.110, 89.590
Yxy	53.2120, 0.4458, 0.4672
Android (android.graphics.Color)	4293180715 (0xFFE4BD2B)
YUV	184.0170, -69.5214, 38.5731
Hunter-Lab	72.9466, -3.4227, 43.0087

Details

The CIELCh color **78, 72.110, 89.590** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **42, 86.879, 297.042**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 69.468, 101.293**, and **58, 62.829, 88.810** is the 20% darker color. If you saturate the color by 10%, you get **77, 76.355, 88.119**, and if you desaturate by 10%, it is **79, 65.590, 90.955**.

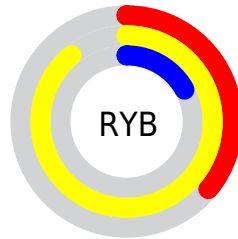
Distribution



Red (89%)

Green (74%)

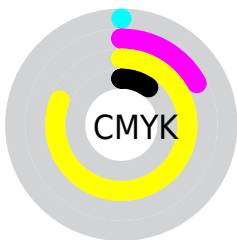
Blue (17%)



Red (36%)

Yellow (89%)

Blue (17%)

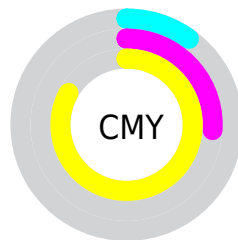


Cyan (0%)

Magenta (17%)

Yellow (81%)

Black (10%)



Cyan (10%)

Magenta (26%)


Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 72.110, 89.590 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 78, 72.110, 89.590 by changing the saturation by 10% instead.

 78, 72.110, 89.590

 78, 72.110, 89.590

 100, 72.110,
89.590

 68, 72.110, 89.590

 98, 72.110, 89.590

 58, 72.110, 89.590

 48, 72.110, 89.590

 38, 72.110, 89.590

 28, 72.110, 89.590

 18, 72.110, 89.590

 8, 72.110, 89.590

 0, 72.110, 89.590

 78, 72.110, 89.590

 78, 72.110, 89.590

77, 76.355, 88.119

79, 65.590, 90.955

76, 78.122, 86.661

81, 57.555, 92.264

82, 48.640, 93.546

84, 39.270, 94.810

85, 29.700, 96.054

87, 20.078, 97.271

89, 10.485, 98.452

90, 0.966, 99.434

92, 8.459, 280.750

Harmonies

Complementary

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



78, 72.110, 89.590



42, 86.879, 297.042

Rectangle

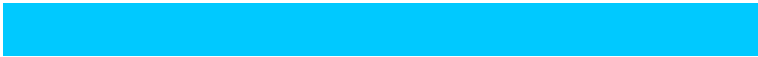
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78, 72.110, 89.590



78, 72.110, 139.590



78, 72.110, 269.590



78, 72.110, 319.590

Sweetspot

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



78, 72.109, 89.593



95, 25.091, 96.895



51, 73.855, 19.211



50, 17.253, 96.459



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 72.109, 89.593



84, 84.443, 87.050



84, 86.204, 117.824



47, 5.418, 98.633



60, 65.089, 86.960



17, 24.202, 89.721

Inverse Universe

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



42, 86.879, 297.042



39, 114.440, 301.858



38, 106.194, 307.831



45, 5.476, 280.901



26, 88.279, 302.004



4, 28.801, 292.144

Previews

White Background



This preview shows how the CIELCh color 78, 72.110, 89.590 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 78, 72.110, 89.590 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 78, 72.110, 89.590

Background



This preview shows how black text looks on a background with the CIELCh color 78, 72.110, 89.590.



This preview shows how white text looks on a background with the CIELCh color 78, 72.110, 89.590.

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


78, 72.110, 89.590

Protanopia

78, 71.697, 95.011

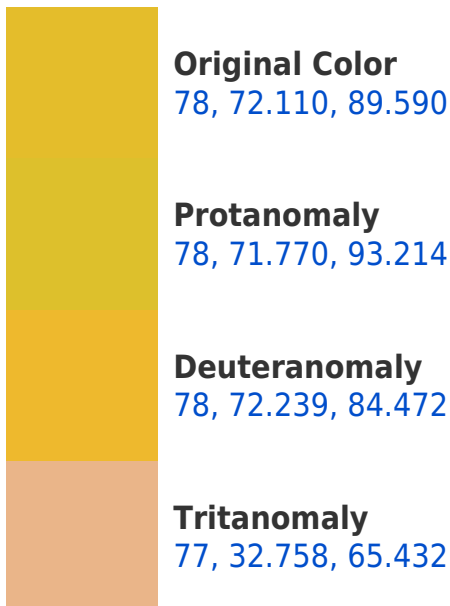
Deuteranopia

78, 72.543, 81.940



Tritanopia
78, 24.677, 4.134

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 72.110, 89.590 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(228, 189, 43)` looks like.

```
.text, #text, p{  
    color:rgb(228, 189, 43)  
}
```

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(228, 189, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 189, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 72.110, 89.590 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(228, 189, 43) }
```

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

```
.border{ border-color:rgb(228, 189, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 189, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 189, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 189, 43);  
box-shadow:4px 4px 4px 4px rgb(228, 189,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 72.110, 89.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 189, 43) }
```

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

```
.background{ background-color: rgb(228,  
189, 43) }
```

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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