

Converting Colors

CIELCh(78, 70.253, 91.190)

Have a look what the booklet for
CIELCh(78, 70.253, 91.190) contains.

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Color

CIELCh(78, 70.174, 90.896)

Conversions

Conversions Part 1

Format	Color
Hex	E1BE31
RGB	225, 190, 49
RGB Percent	88%, 75%, 19%
CMY	0.1166, 0.2539, 0.8067
CMYK	0.00, 0.16, 0.78, 0.12
HSL	48°, 75%, 54%
HSV	48°, 78%, 88%
XYZ	50.1666, 53.2120, 10.5649
YIQ	184.3910, 66.1210, -36.4310

Conversions

Conversions Part 2

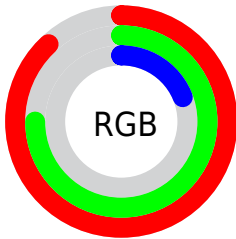
Format	Color
R _Y B	93, 225, 49
Decimal	14794289
CIE Lab	78.00, -1.10, 70.17
CIE LCh	78, 70.174, 90.896
Yxy	53.2120, 0.4403, 0.4670
Android (android.graphics.Color)	4292984369 (0xFFE1BE31)
YUV	184.3910, -66.7478, 35.6141
Hunter-Lab	72.9466, -4.8990, 42.4755

Details

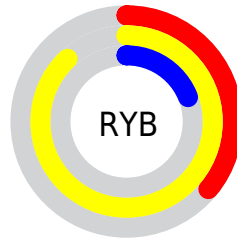
The CIELCh color **78, 70.174, 90.896** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **42, 83.889, 296.685**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 67.758, 101.716**, and **58, 62.647, 90.576** is the 20% darker color. If you saturate the color by 10%, you get **77, 75.077, 89.529**, and if you desaturate by 10%, it is **79, 63.219, 92.197**.

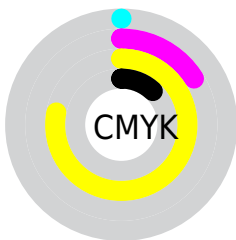
Distribution



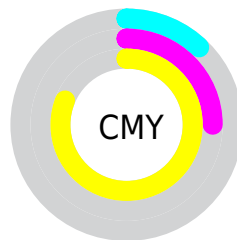
- Red (88%)
- Green (75%)
- Blue (19%)



- Red (36%)
- Yellow (88%)
- Blue (19%)



- Cyan (0%)
- Magenta (16%)
- Yellow (78%)
- Black (12%)




- Cyan (12%)
- Magenta (25%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 70.174, 90.896 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, 70.174, 90.896 by changing the saturation by 10% instead.

 78, 70.174, 90.896

 78, 70.174, 90.896


 100, 70.174,
90.896

 68, 70.174, 90.896


 98, 70.174, 90.896

 58, 70.174, 90.896

 48, 70.174, 90.896


 38, 70.174, 90.896

 28, 70.174, 90.896

 18, 70.174, 90.896

 8, 70.174, 90.896

 0, 70.174, 90.896

 78, 70.174, 90.896

 78, 70.174, 90.896

77, 75.077, 89.529

79, 63.219, 92.197

76, 77.437, 88.025

81, 54.944, 93.464

75, 77.758, 87.736

82, 45.913, 94.716

84, 36.498, 95.955

85, 26.918, 97.175

87, 17.301, 98.369

88, 7.718, 99.522

90, 1.794, 280.767

92, 11.216,
281.772

Harmonies

Complementary

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



78, 70.174, 90.896



42, 83.889, 296.685

Rectangle

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



78, 70.174, 90.896



78, 70.174, 140.896



78, 70.174, 270.896



78, 70.174, 320.896

Sweetspot

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



78, 70.174, 90.899



96, 24.323, 97.771



51, 71.415, 19.233



51, 16.848, 97.335



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, 70.174, 90.899



85, 84.412, 88.563



83, 83.791, 118.492



46, 5.386, 99.373



60, 64.740, 88.019



16, 23.141, 90.889

Inverse Universe

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



42, 83.889, 296.685



39, 112.662, 301.490



39, 101.748, 307.983



44, 5.448, 281.612



25, 88.427, 302.380



4, 27.320, 291.292

Previews

White Background



This preview shows how the CIELCh color 78, 70.174, 90.896 looks on a white background.

Color Contrast Check

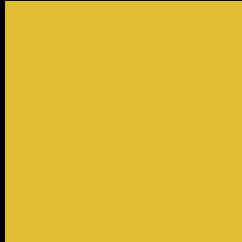
Large Text (above 18pt) WCAG AA × Fail

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, 70.174, 90.896 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, 70.174, 90.896

Background



This preview shows how black text looks on a background with the CIELCh color 78, 70.174, 90.896.



This preview shows how white text looks on a background with the CIELCh color 78, 70.174, 90.896.

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, 70.174, 90.896

Protanopia

78, 69.867, 94.969

Deuteranopia

78, 70.481, 81.893



Tritanopia
78, 23.183, 2.797

Trichromacy



Original Color
78, 70.174, 90.896

Protanomaly
78, 69.848, 93.486

Deuteranomaly
78, 70.226, 85.282

Tritanomaly
77, 31.109, 67.063

Monochromacy



Original Color
78, 70.174, 90.896

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 27.715, 96.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 70.174, 90.896 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(225, 190, 49)` looks like.

```
.text, #text, p{  
    color:rgb(225, 190, 49)  
}
```

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(225, 190, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 190, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 70.174, 90.896 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(225, 190, 49) }
```

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

```
.border{ border-color:rgb(225, 190, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 190, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 190, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 190, 49);  
box-shadow:4px 4px 4px 4px rgb(225, 190,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 70.174, 90.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 190, 49) }
```

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

```
.background{ background-color: rgb(225,  
190, 49) }
```

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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