

Converting Colors

CIELCh(79, 71.005, 89.548)

Have a look what the booklet for
CIELCh(79, 71.005, 89.548) contains.

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Color

CIELCh(79, 71.042, 89.617)

Conversions

Conversions Part 1

Format	Color
Hex	E7C032
RGB	231, 192, 50
RGB Percent	91%, 75%, 20%
CMY	0.0941, 0.2470, 0.8038
CMYK	0.00, 0.17, 0.78, 0.09
HSL	47°, 79%, 55%
HSV	47°, 78%, 91%
XYZ	52.3896, 54.9284, 10.8605
YIQ	187.4730, 68.8260, -35.8940

Conversions

Conversions Part 2

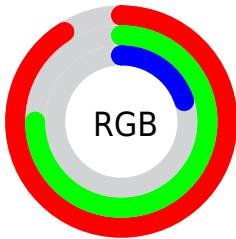
Format	Color
RYB	100, 231, 50
Decimal	15188018
CIELab	79.00, 0.47, 71.04
CIElCh	79, 71.042, 89.617
Yxy	54.9284, 0.4433, 0.4648
Android (android.graphics.Color)	4293378098 (0xFFE7C032)
YUV	187.4730, -67.7742, 38.1732
Hunter-Lab	74.1137, -3.5205, 43.1913

Details

The CIELCh color **79, 71.042, 89.617** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **44, 84.029, 296.019**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 68.095, 102.436**, and **59, 63.750, 89.072** is the 20% darker color. If you saturate the color by 10%, you get **78, 76.018, 88.158**, and if you desaturate by 10%, it is **80, 63.974, 90.981**.

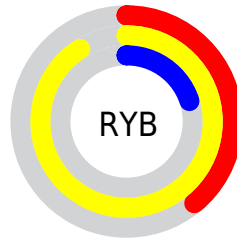
Distribution



Red (91%)

Green (75%)

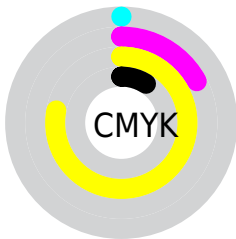
Blue (20%)



Red (39%)

Yellow (91%)

Blue (20%)

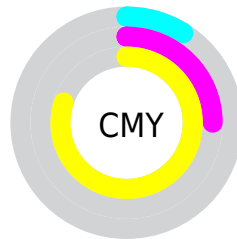


Cyan (0%)

Magenta (17%)

Yellow (78%)

Black (9%)



Cyan (9%)

Magenta (25%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 71.042, 89.617 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 79, 71.042, 89.617 by changing the saturation by 10% instead.

 79, 71.042, 89.617

 79, 71.042, 89.617

 100, 71.042,
89.617

 69, 71.042, 89.617

 99, 71.042, 89.617

 59, 71.042, 89.617

 49, 71.042, 89.617

 39, 71.042, 89.617

 29, 71.042, 89.617

 19, 71.042, 89.617

 9, 71.042, 89.617

 0, 71.042, 89.617

 79, 71.042, 89.617

 79, 71.042, 89.617

78, 76.018, 88.158

80, 63.974, 90.981

76, 78.394, 86.523

82, 55.576, 92.293

76, 78.681, 86.246

83, 46.434, 93.580

85, 36.923, 94.847

87, 27.267, 96.091

88, 17.590, 97.306

90, 7.962, 98.478

92, 1.581, 279.763

94, 9.541, 278.968

Harmonies

Complementary

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



79, 71.042, 89.617



44, 84.029, 296.019

Rectangle

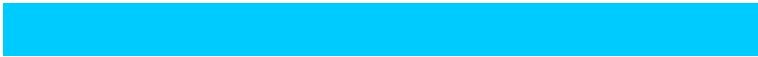
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 71.042, 89.617



79, 71.042, 139.617



79, 71.042, 269.617



79, 71.042, 319.617

Sweetspot

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



79, 71.042, 89.620



95, 24.982, 96.608



52, 72.649, 18.043



50, 17.179, 96.169



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 71.042, 89.620



84, 83.778, 87.171



86, 85.291, 117.748



47, 5.392, 98.352



60, 64.968, 86.566



17, 24.111, 89.353

Inverse Universe

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



44, 84.029, 296.019



40, 110.477, 300.881



39, 104.267, 307.679



45, 5.449, 280.628



26, 87.829, 301.848



4, 28.695, 292.023

Previews

White Background



This preview shows how the CIELCh color 79, 71.042, 89.617 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 79, 71.042, 89.617 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 79, 71.042, 89.617

Background



This preview shows how black text looks on a background with the CIELCh color 79, 71.042, 89.617.



This preview shows how white text looks on a background with the CIELCh color 79, 71.042, 89.617.

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

79, 71.042, 89.617

Protanopia

79, 70.626, 95.091

Deuteranopia

79, 71.359, 81.860



Tritanopia
79, 24.603, 4.092

Trichromacy



Original Color
79, 71.042, 89.617

Protanomaly
79, 70.693, 93.276

Deuteranomaly
79, 71.092, 84.430

Tritanomaly
79, 32.221, 64.940

Monochromacy



Original Color
79, 71.042, 89.617

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 28.264, 95.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 71.042, 89.617 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(231, 192, 50)` looks like.

```
.text, #text, p{  
    color:rgb(231, 192, 50)  
}
```

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(231, 192, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 192, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 71.042, 89.617 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(231, 192, 50) }
```

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

```
.border{ border-color:rgb(231, 192, 50) }
```

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

Here you see how a box with a 4 pixel rgb(231, 192, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 192, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 192, 50);  
box-shadow:4px 4px 4px 4px rgb(231, 192,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 71.042, 89.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 192, 50) }
```

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

```
.background{ background-color: rgb(231,  
192, 50) }
```

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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