

Converting Colors

CIELCh(79, 80.260, 89.456)

Have a look what the booklet for
CIELCh(79, 80.260, 89.456) contains.

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Color

CIELCh(79, 80.329, 89.690)

Conversions

Conversions Part 1

Format	Color
Hex	E9C003
RGB	233, 192, 3
RGB Percent	91%, 75%, 1%
CMY	0.0870, 0.2477, 0.9901
CMYK	0.00, 0.18, 0.99, 0.09
HSL	49°, 98%, 46%
HSV	49°, 99%, 91%
XYZ	52.3742, 54.9284, 7.9138
YIQ	182.7130, 85.1050, -50.0870

Conversions

Conversions Part 2

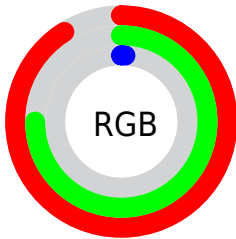
Format	Color
RYB	53, 233, 3
Decimal	15319043
CIELab	79.00, 0.43, 80.33
CIElCh	79, 80.329, 89.690
Yxy	54.9284, 0.4546, 0.4767
Android (android.graphics.Color)	4293509123 (0xFFE9C003)
YUV	182.7130, -88.5985, 44.1017
Hunter-Lab	74.1137, -3.5577, 45.5486

Details

The CIELCh color **79, 80.329, 89.690** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed yellow. A complement of this color would be **33, 112.084, 303.244**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 77.549, 101.984**, and **59, 63.880, 88.662** is the 20% darker color. If you saturate the color by 10%, you get **79, 80.501, 89.543**, and if you desaturate by 10%, it is **80, 78.180, 91.051**.

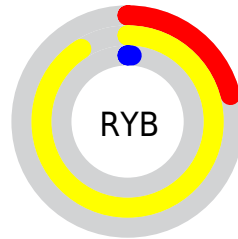
Distribution



Red (91%)

Green (75%)

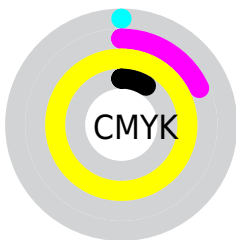
Blue (1%)



Red (21%)

Yellow (91%)

Blue (1%)

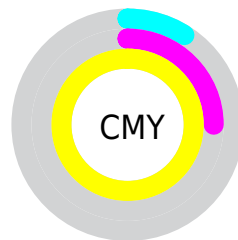


Cyan (0%)

Magenta (18%)

Yellow (99%)

Black (9%)



Cyan (9%)

Magenta (25%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 80.329, 89.690 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, 80.329, 89.690 by changing the saturation by 10% instead.

 79, 80.329, 89.690

 79, 80.329, 89.690

 100, 80.329,
89.690

 69, 80.329, 89.690

 99, 80.329, 89.690

 59, 80.329, 89.690

 49, 80.329, 89.690

 39, 80.329, 89.690

 29, 80.329, 89.690

 19, 80.329, 89.690

 9, 80.329, 89.690

 0, 80.329, 89.690

 79, 80.329, 89.690

 79, 80.329, 89.690

79, 80.501, 89.543

80, 78.180, 91.051

81, 73.447, 92.319

82, 66.497, 93.544

84, 58.069, 94.758

85, 48.769, 95.970

86, 39.001, 97.177

88, 29.015, 98.373

89, 18.954, 99.546

91, 8.903, 100.685

Harmonies

Complementary

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



79, 80.329, 89.690



33, 112.084, 303.244

Rectangle

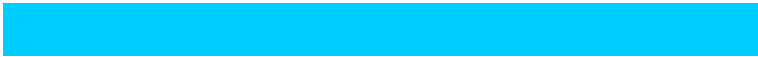
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 80.329, 89.690



79, 80.329, 139.690



79, 80.329, 269.690



79, 80.329, 319.690

Sweetspot

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



79, 80.328, 89.692



95, 32.411, 98.226



49, 87.752, 30.999



50, 22.106, 97.720



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, 80.328, 89.692



86, 86.200, 89.467



85, 95.746, 120.780



48, 5.711, 100.623



63, 66.780, 89.788



18, 26.191, 92.152

Inverse Universe

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



33, 112.084, 303.244



36, 121.611, 303.580



33, 120.535, 308.436



46, 5.786, 282.833



25, 92.483, 303.089



4, 31.355, 294.138

Previews

White Background



This preview shows how the CIELCh color 79, 80.329, 89.690 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, 80.329, 89.690 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, 80.329, 89.690

Background



This preview shows how black text looks on a background with the CIELCh color 79, 80.329, 89.690.

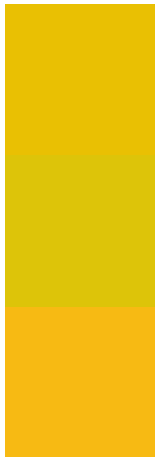


This preview shows how white text looks on a background with the CIELCh color 79, 80.329, 89.690.

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, 80.329, 89.690

Protanopia

79, 79.446, 94.890

Deuteranopia

79, 79.712, 82.980



Tritanopia
79, 25.736, 5.010

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 80.329, 89.690 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(233, 192, 3)` looks like.

```
.text, #text, p{  
    color:rgb(233, 192, 3)  
}
```

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(233, 192, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 192, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 80.329, 89.690 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(233, 192, 3) }
```

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

```
.border{ border-color:rgb(233, 192, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 192, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 192, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 192, 3);  
box-shadow:4px 4px 4px 4px rgb(233, 192,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 80.329, 89.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 192, 3) }
```

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

```
.background{ background-color: rgb(233,  
192, 3) }
```

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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