

Converting Colors

CIELCh(79, 81.350, 87.215)

Have a look what the booklet for
CIELCh(79, 81.350, 87.215) contains.

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Color

CIELCh(79, 80.928, 87.444)

Conversions

Conversions Part 1

Format	Color
Hex	EEBE00
RGB	238, 190, 0
RGB Percent	93%, 75%, 0%
CMY	0.0672, 0.2553, 1.0000
CMYK	0.00, 0.20, 1.00, 0.07
HSL	48°, 100%, 47%
HSV	48°, 100%, 93%
XYZ	53.6004, 54.9284, 7.7669
YIQ	182.6920, 89.5980, -48.9140

Conversions

Conversions Part 2

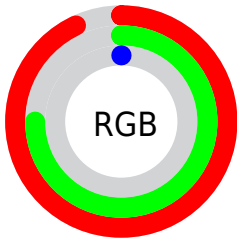
Format	Color
RYB	60, 238, 0
Decimal	15646208
CIELab	79.00, 3.61, 80.85
CIELCh	79, 80.928, 87.444
Yxy	54.9284, 0.4609, 0.4723
Android (android.graphics.Color)	4293836288 (0xFFEEBE00)
YUV	182.6920, -90.0672, 48.5051
Hunter-Lab	74.1137, -0.6044, 45.6661

Details

The CIELCh color **79, 80.928, 87.444** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle washed orange. A complement of this color would be **35, 112.344, 302.792**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 77.212, 101.341**, and **59, 64.298, 85.645** is the 20% darker color. If you saturate the color by 10%, you get **79, 80.893, 87.443**, and if you desaturate by 10%, it is **80, 78.867, 89.000**.

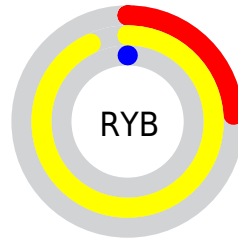
Distribution



Red (93%)

Green (75%)

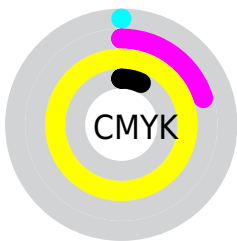
Blue (0%)



Red (24%)

Yellow (93%)

Blue (0%)

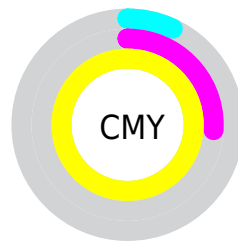


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (26%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 80.928, 87.444 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, 80.928, 87.444 by changing the saturation by 10% instead.

 79, 80.928, 87.444

 79, 80.928, 87.444

 100, 80.928,
87.444

 69, 80.928, 87.444

 99, 80.928, 87.444

 59, 80.928, 87.444

 49, 80.928, 87.444

 39, 80.928, 87.444

 29, 80.928, 87.444

 19, 80.928, 87.444

 9, 80.928, 87.444

 0, 80.928, 87.444

 79, 80.928, 87.444

 79, 80.928, 87.444

79, 80.893, 87.443

80, 78.867, 89.000

82, 74.290, 90.413

83, 67.404, 91.736

84, 58.989, 93.019

86, 49.685, 94.284

87, 39.918, 95.534

89, 29.947, 96.766

91, 19.920, 97.972

92, 9.919, 99.142

Harmonies

Complementary

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



79, 80.928, 87.444



35, 112.344, 302.792

Rectangle

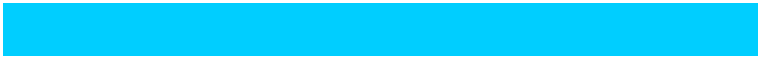
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79, 80.928, 87.444



79, 80.928, 137.444



79, 80.928, 267.444



79, 80.928, 317.444

Sweetspot

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



79, 80.893, 87.443



95, 31.685, 96.752



50, 87.928, 29.141



50, 21.622, 96.233



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



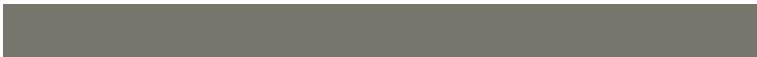
79, 80.893, 87.443



84, 85.238, 87.376



87, 96.617, 119.286



49, 5.670, 99.201



62, 66.719, 87.733



19, 26.913, 90.142

Inverse Universe

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



35, 112.344, 302.792



37, 118.789, 302.886



33, 123.771, 307.979



47, 5.735, 281.462



26, 91.242, 302.372



5, 32.538, 294.774

Previews

White Background



This preview shows how the CIELCh color 79, 80.928, 87.444 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, 80.928, 87.444 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, 80.928, 87.444

Background



This preview shows how black text looks on a background with the CIELCh color 79, 80.928, 87.444.



This preview shows how white text looks on a background with the CIELCh color 79, 80.928, 87.444.

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, 80.928, 87.444

Protanopia

79, 79.250, 94.888

Deuteranopia

79, 80.305, 82.750



Tritanopia
79, 28.402, 6.910

Trichromacy



Original Color
79, 80.928, 87.444

Protanomaly
79, 79.690, 92.275

Deuteranomaly
79, 80.424, 84.406

Tritanomaly
78, 42.502, 67.836

Monochromacy



Original Color
79, 80.928, 87.444

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 37.790, 95.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 80.928, 87.444 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(238, 190, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 190, 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(238, 190, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 190, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 80.928, 87.444 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(238, 190, 0) }
```

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

```
.border{ border-color:rgb(238, 190, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 190, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 190, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 190, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 190,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 80.928, 87.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 190, 0) }
```

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

```
.background{ background-color: rgb(238,  
190, 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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