

Converting Colors

CIELCh(79, 80.038, 86.540)

Have a look what the booklet for
CIELCh(79, 80.038, 86.540) contains.

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Color

CIELCh(79, 80.075, 86.365)

Conversions

Conversions Part 1

Format	Color
Hex	F0BD0A
RGB	240, 189, 10
RGB Percent	94%, 74%, 4%
CMY	0.0589, 0.2589, 0.9610
CMYK	0.00, 0.21, 0.96, 0.06
HSL	47°, 92%, 49%
HSV	47°, 96%, 94%
XYZ	54.1738, 54.9284, 8.0322
YIQ	183.8430, 87.8550, -44.8570

Conversions

Conversions Part 2

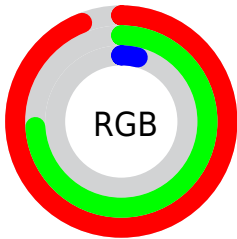
Format	Color
RYB	76, 240, 10
Decimal	15777034
CIELab	79.00, 5.08, 79.91
CIElCh	79, 80.075, 86.365
Yxy	54.9284, 0.4625, 0.4689
Android (android.graphics.Color)	4293967114 (0xFFFF0BD0A)
YUV	183.8430, -85.7046, 49.2497
Hunter-Lab	74.1137, 0.7765, 45.4539

Details

The CIELCh color **79, 80.075, 86.365** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **37, 106.384, 301.074**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 75.759, 101.067**, and **59, 64.499, 84.352** is the 20% darker color. If you saturate the color by 10%, you get **78, 80.758, 85.642**, and if you desaturate by 10%, it is **80, 77.043, 88.011**.

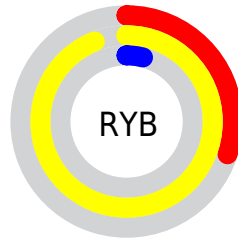
Distribution



Red (94%)

Green (74%)

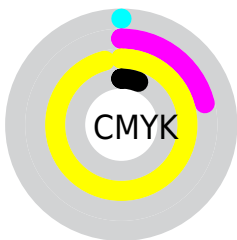
Blue (4%)



Red (30%)

Yellow (94%)

Blue (4%)

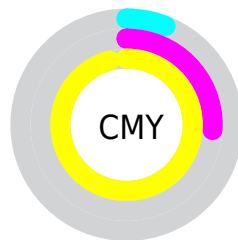


Cyan (0%)

Magenta (21%)

Yellow (96%)

Black (6%)



Cyan (6%)

Magenta (26%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 80.075, 86.365 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, 80.075, 86.365 by changing the saturation by 10% instead.

 79, 80.075, 86.365

 79, 80.075, 86.365

 100, 80.075,
86.365

 69, 80.075, 86.365

 99, 80.075, 86.365

 59, 80.075, 86.365

 49, 80.075, 86.365

 39, 80.075, 86.365

 29, 80.075, 86.365

 19, 80.075, 86.365

 9, 80.075, 86.365

 0, 80.075, 86.365

 79, 80.075, 86.365

 79, 80.075, 86.365

78, 80.758, 85.642

80, 77.043, 88.011

82, 71.315, 89.475

83, 63.630, 90.844

85, 54.750, 92.167

87, 45.227, 93.463

88, 35.403, 94.737

90, 25.477, 95.985

92, 15.559, 97.200

94, 5.710, 98.363

Harmonies

Complementary

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



79, 80.075, 86.365



37, 106.384, 301.074

Rectangle

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



79, 80.075, 86.365



79, 80.075, 136.365



79, 80.075, 266.365



79, 80.075, 316.365

Sweetspot

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



79, 80.074, 86.368



94, 30.049, 95.584



51, 85.335, 25.607



50, 20.636, 95.049



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, 80.074, 86.368



83, 84.534, 85.576



88, 95.744, 118.041



49, 5.552, 97.951



61, 66.165, 85.976



18, 26.494, 88.528

Inverse Universe

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



37, 106.384, 301.074



38, 116.240, 302.232



34, 122.849, 307.844



47, 5.608, 280.251



27, 89.202, 301.682



5, 31.971, 294.257

Previews

White Background



This preview shows how the CIELCh color 79, 80.075, 86.365 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, 80.075, 86.365 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, 80.075, 86.365

Background



This preview shows how black text looks on a background with the CIELCh color 79, 80.075, 86.365.



This preview shows how white text looks on a background with the CIELCh color 79, 80.075, 86.365.

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, 80.075, 86.365

Protanopia

79, 78.797, 94.884

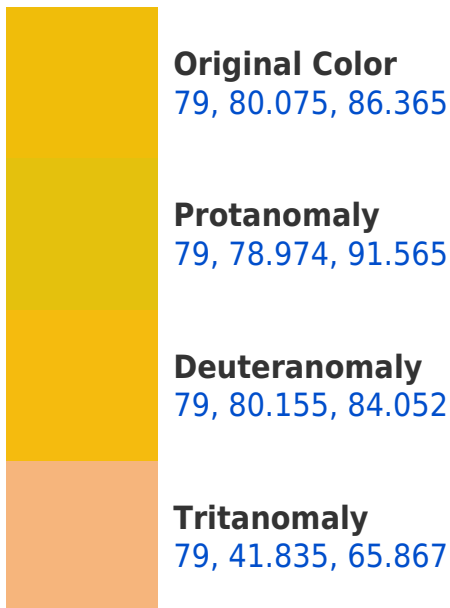
Deuteranopia

79, 80.172, 82.730



Tritanopia
79, 29.085, 8.416

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 80.075, 86.365 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(240, 189, 10)` looks like.

```
.text, #text, p{  
    color:rgb(240, 189, 10)  
}
```

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(240, 189, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 189, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 80.075, 86.365 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(240, 189, 10) }
```

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

```
.border{ border-color:rgb(240, 189, 10) }
```

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

Here you see how a box with a 4 pixel rgb(240, 189, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 189, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 189, 10);  
box-shadow:4px 4px 4px 4px rgb(240, 189,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 80.075, 86.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 189, 10) }
```

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

```
.background{ background-color: rgb(240,  
189, 10) }
```

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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