

Converting Colors

CIELCh(80, 55.410, 86.451)

Have a look what the booklet for
CIELCh(80, 55.410, 86.451) contains.

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Color

CIELCh(80, 55.508, 86.090)

Conversions

Conversions Part 1

Format	Color
Hex	EBC15C
RGB	235, 193, 92
RGB Percent	92%, 76%, 36%
CMY	0.0777, 0.2425, 0.6386
CMYK	0.00, 0.18, 0.61, 0.08
HSL	42°, 78%, 64%
HSV	42°, 61%, 92%
XYZ	55.3658, 56.6813, 18.1839
YIQ	194.0440, 57.4530, -22.5070

Conversions

Conversions Part 2

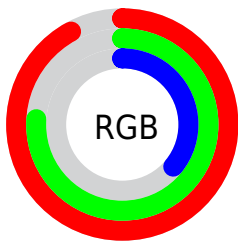
Format	Color
RYB	151, 235, 92
Decimal	15450460
CIELab	80.00, 3.79, 55.38
CIELCh	80, 55.508, 86.090
Yxy	56.6813, 0.4251, 0.4352
Android (android.graphics.Color)	4293640540 (0xFFEBC15C)
YUV	194.0440, -50.3077, 35.9184
Hunter-Lab	75.2870, -0.4838, 38.3807

Details

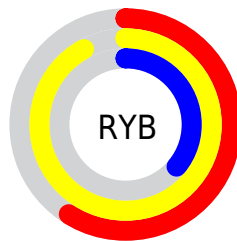
The CIELCh color **80, 55.508, 86.090** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **57, 57.723, 286.180**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 51.879, 103.481**, and **60, 55.521, 86.207** is the 20% darker color. If you saturate the color by 10%, you get **78, 63.817, 84.584**, and if you desaturate by 10%, it is **82, 46.536, 87.526**.

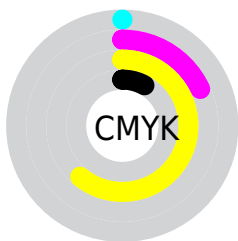
Distribution



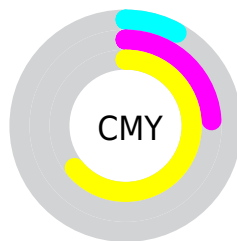
- Red (92%)
- Green (76%)
- Blue (36%)



- Red (59%)
- Yellow (92%)
- Blue (36%)



- Cyan (0%)
- Magenta (18%)
- Yellow (61%)
- Black (8%)



- Cyan (8%)
- Magenta (24%)
- Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 55.508, 86.090 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 80, 55.508, 86.090 by changing the saturation by 10% instead.

 80, 55.508, 86.090

 80, 55.508, 86.090

 100, 55.508,
86.090

 70, 55.508, 86.090

 60, 55.508, 86.090

 50, 55.508, 86.090

 40, 55.508, 86.090

 30, 55.508, 86.090

 20, 55.508, 86.090

 10, 55.508, 86.090

 0, 55.508, 86.090

 80, 55.508, 86.090

 80, 55.508, 86.090

78, 63.817, 84.584

82, 46.536, 87.526

76, 70.822, 82.931

84, 37.294, 88.909

74, 75.665, 81.016

86, 28.001, 90.254

73, 77.942, 78.947

88, 18.774, 91.559

91, 9.669, 92.816

93, 0.711, 93.725

95, 7.216, 273.203

97, 5.595, 236.219

99, 6.790, 199.073

Harmonies

Complementary

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



80, 55.508, 86.090



57, 57.723, 286.180

Rectangle

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



80, 55.508, 86.090



80, 55.508, 136.090



80, 55.508, 266.090



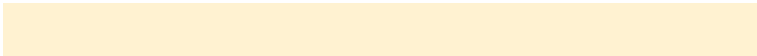
80, 55.508, 316.090

Sweetspot

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



80, 55.508, 86.093



96, 17.298, 91.908



59, 59.049, 5.328



50, 12.049, 91.535



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 55.508, 86.093



84, 69.877, 84.186



89, 70.498, 114.125



48, 5.063, 92.980



57, 64.130, 79.409



16, 23.934, 82.311

Inverse Universe

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



57, 57.723, 286.180



55, 75.265, 290.141



49, 82.970, 304.157



46, 5.082, 275.406



29, 80.213, 298.611



6, 28.160, 290.686

Previews

White Background



This preview shows how the CIELCh color 80, 55.508, 86.090 looks on a white background.

Color Contrast Check

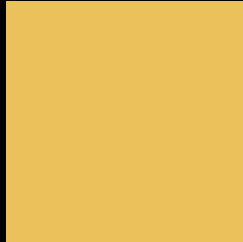
Large Text (above 18pt) WCAG AA × Fail

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 80, 55.508, 86.090 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 80, 55.508, 86.090

Background



This preview shows how black text looks on a background with the CIELCh color 80, 55.508, 86.090.



This preview shows how white text looks on a background with the CIELCh color 80, 55.508, 86.090.

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

80, 55.508, 86.090

Protanopia

80, 54.547, 95.705

Deuteranopia

80, 56.115, 79.639



Tritanopia
80, 24.530, 4.051

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 55.508, 86.090 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(235, 193, 92)` looks like.

```
.text, #text, p{  
    color:rgb(235, 193, 92)  
}
```

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(235, 193, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 193, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 55.508, 86.090 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(235, 193, 92) }
```

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

```
.border{ border-color:rgb(235, 193, 92) }
```

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

Here you see how a box with a 4 pixel rgb(235, 193, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 193, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 193, 92);  
box-shadow:4px 4px 4px 4px rgb(235, 193,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 55.508, 86.090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 193, 92) }
```

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

```
.background{ background-color: rgb(235,  
193, 92) }
```

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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