

Converting Colors

CIELCh(80, 56.342, 89.006)

Have a look what the booklet for
CIELCh(80, 56.342, 89.006) contains.

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Color

CIELCh(80, 56.312, 89.041)

Conversions

Conversions Part 1

Format	Color
Hex	E7C35A
RGB	231, 195, 90
RGB Percent	91%, 76%, 35%
CMY	0.0946, 0.2357, 0.6475
CMYK	0.00, 0.16, 0.61, 0.09
HSL	45°, 74%, 63%
HSV	45°, 61%, 91%
XYZ	54.2428, 56.6813, 17.7294
YIQ	193.7940, 55.1610, -25.0230

Conversions

Conversions Part 2

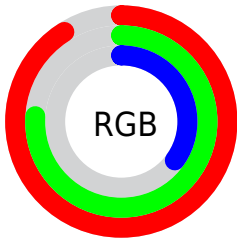
Format	Color
RYB	138, 231, 90
Decimal	15188826
CIELab	80.00, 0.94, 56.30
CIELCh	80, 56.312, 89.041
Yxy	56.6813, 0.4216, 0.4406
Android (android.graphics.Color)	4293378906 (0xFFE7C35A)
YUV	193.7940, -51.1704, 32.6297
Hunter-Lab	75.2870, -3.1464, 38.7386

Details

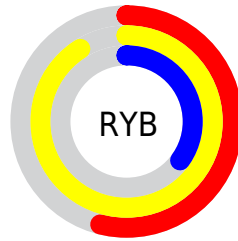
The CIELCh color **80, 56.312, 89.041** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **55, 60.306, 288.629**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 53.665, 104.310**, and **60, 56.420, 89.341** is the 20% darker color. If you saturate the color by 10%, you get **78, 64.429, 87.618**, and if you desaturate by 10%, it is **82, 47.423, 90.414**.

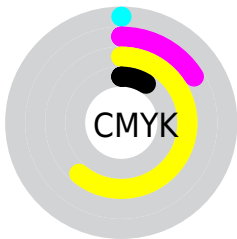
Distribution



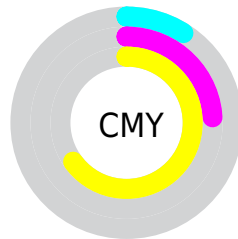
- Red (91%)
- Green (76%)
- Blue (35%)



- Red (54%)
- Yellow (91%)
- Blue (35%)



- Cyan (0%)
- Magenta (16%)
- Yellow (61%)
- Black (9%)



- Cyan (9%)
- Magenta (24%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 56.312, 89.041 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, 56.312, 89.041 by changing the saturation by 10% instead.

80, 56.312, 89.041

80, 56.312, 89.041

100, 56.312,
89.041

70, 56.312, 89.041

60, 56.312, 89.041

50, 56.312, 89.041

40, 56.312, 89.041

30, 56.312, 89.041

20, 56.312, 89.041

10, 56.312, 89.041

0, 56.312, 89.041

80, 56.312, 89.041

80, 56.312, 89.041

78, 64.429, 87.618

82, 47.423, 90.414

77, 71.131, 86.088

84, 38.172, 91.748

75, 75.607, 84.363

85, 28.797, 93.050

74, 77.556, 82.603

87, 19.430, 94.318

89, 10.139, 95.542

91, 0.960, 96.535

93, 8.095, 277.928

95, 7.605, 260.701

97, 6.787, 231.520

Harmonies

Complementary

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



80, 56.312, 89.041



55, 60.306, 288.629

Rectangle

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



80, 56.312, 89.041



80, 56.312, 139.041



80, 56.312, 269.041



80, 56.312, 319.041

Sweetspot

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



80, 56.312, 89.044



96, 17.965, 94.687



58, 58.239, 7.952



51, 12.505, 94.323



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, 56.312, 89.044



85, 71.312, 87.273



87, 70.075, 115.633



47, 5.173, 95.734



58, 64.057, 82.995



16, 23.338, 85.941

Inverse Universe

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



55, 60.306, 288.629



53, 79.641, 292.395



49, 82.019, 304.983



45, 5.211, 278.086



27, 83.626, 300.314



5, 27.699, 290.835

Previews

White Background



This preview shows how the CIELCh color 80, 56.312, 89.041 looks on a white background.

Color Contrast Check

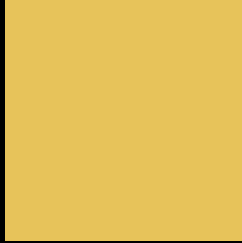
Large Text (above 18pt) WCAG AA × Fail

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, 56.312, 89.041 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, 56.312, 89.041

Background



This preview shows how black text looks on a background with the CIELCh color 80, 56.312, 89.041.



This preview shows how white text looks on a background with the CIELCh color 80, 56.312, 89.041.

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, 56.312, 89.041

Protanopia

80, 55.900, 95.791

Deuteranopia

80, 56.980, 79.929



Tritanopia
80, 22.682, 2.368

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 56.312, 89.041 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, 195, 90)` looks like.

```
.text, #text, p{  
    color:rgb(231, 195, 90)  
}
```

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, 195, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 195, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 56.312, 89.041 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, 195, 90) }
```

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

```
.border{ border-color:rgb(231, 195, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 195, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 195, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 195, 90);  
box-shadow:4px 4px 4px 4px rgb(231, 195,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 56.312, 89.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 195, 90) }
```

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

```
.background{ background-color: rgb(231,  
195, 90) }
```

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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