

Converting Colors

CIELCh(80, 44.076, 85.414)

Have a look what the booklet for
CIELCh(80, 44.076, 85.414) contains.

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Color

CIELCh(80, 44.037, 85.443)

Conversions

Conversions Part 1

Format	Color
Hex	E7C274
RGB	231, 194, 116
RGB Percent	91%, 76%, 45%
CMY	0.0951, 0.2401, 0.5460
CMYK	0.00, 0.16, 0.50, 0.10
HSL	41°, 70%, 68%
HSV	41°, 50%, 90%
XYZ	55.2520, 56.6813, 24.4838
YIQ	196.1710, 47.0900, -16.4140

Conversions

Conversions Part 2

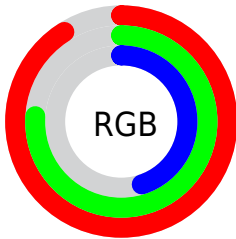
Format	Color
RYB	171, 231, 116
Decimal	15188596
CIELab	80.00, 3.50, 43.90
CIElCh	80, 44.037, 85.443
Yxy	56.6813, 0.4050, 0.4155
Android (android.graphics.Color)	4293378676 (0xFFE7C274)
YUV	196.1710, -39.5243, 30.5450
Hunter-Lab	75.2870, -0.7536, 33.4194

Details

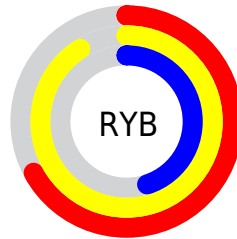
The CIELCh color **80, 44.037, 85.443** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **63, 44.202, 281.169**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 40.764, 104.267**, and **60, 44.309, 85.834** is the 20% darker color. If you saturate the color by 10%, you get **78, 52.882, 83.990**, and if you desaturate by 10%, it is **82, 35.021, 86.851**.

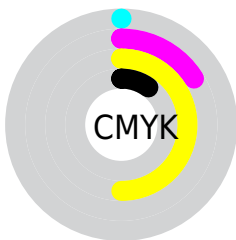
Distribution



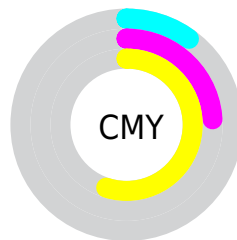
- Red (91%)
- Green (76%)
- Blue (45%)



- Red (67%)
- Yellow (91%)
- Blue (45%)



- Cyan (0%)
- Magenta (16%)
- Yellow (50%)
- Black (10%)



- Cyan (10%)
- Magenta (24%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 44.037, 85.443 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, 44.037, 85.443 by changing the saturation by 10% instead.

 80, 44.037, 85.443

 80, 44.037, 85.443

 100, 44.037,
85.443

 70, 44.037, 85.443

 60, 44.037, 85.443

 50, 44.037, 85.443

 40, 44.037, 85.443

 30, 44.037, 85.443

 20, 44.037, 85.443

 10, 44.037, 85.443

 0, 44.037, 85.443

 80, 44.037, 85.443

 80, 44.037, 85.443

78, 52.882, 83.990

82, 35.021, 86.851

76, 61.207, 82.447

84, 26.022, 88.214

74, 68.421, 80.748

87, 17.134, 89.534

72, 73.676, 78.757

89, 8.402, 90.802

70, 76.519, 76.358

92, 0.159, 273.699

70, 76.564, 76.315

94, 8.550, 273.291

96, 6.905, 242.883

98, 7.677, 206.131

98, 8.273, 198.962

Harmonies

Complementary

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



80, 44.037, 85.443



63, 44.202, 281.169

Rectangle

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



80, 44.037, 85.443



80, 44.037, 135.443



80, 44.037, 265.443



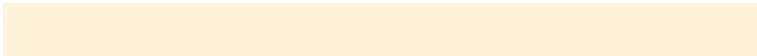
80, 44.037, 315.443

Sweetspot

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



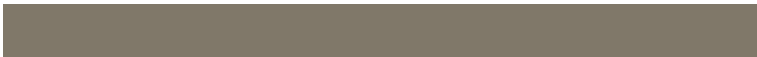
80, 44.037, 85.447



96, 13.992, 90.144



63, 48.502, 0.265



51, 9.567, 89.873



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, 44.037, 85.447



85, 57.505, 83.914



88, 57.987, 113.171



47, 4.834, 90.848



55, 63.214, 76.823



15, 22.251, 79.699

Inverse Universe

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



63, 44.202, 281.169



64, 58.379, 284.126



55, 65.969, 301.834



45, 4.839, 273.314



30, 76.035, 297.151



6, 25.826, 288.304

Previews

White Background



This preview shows how the CIELCh color 80, 44.037, 85.443 looks on a white background.

Color Contrast Check

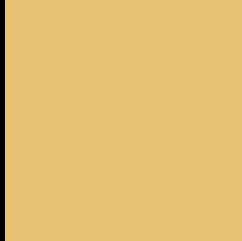
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 44.037, 85.443 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, 44.037, 85.443

Background



This preview shows how black text looks on a background with the CIELCh color 80, 44.037, 85.443.



This preview shows how white text looks on a background with the CIELCh color 80, 44.037, 85.443.

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





Tritanopia
80, 21.578, 1.235

Trichromacy



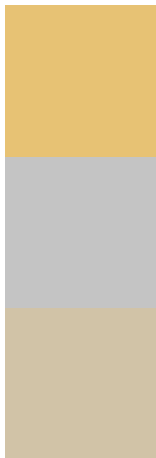
Original Color
80, 44.037, 85.443

Protanomaly
80, 43.186, 92.162

Deuteranomaly
80, 43.987, 80.056

Tritanomaly
80, 21.677, 49.670

Monochromacy



Original Color
80, 44.037, 85.443

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 15.858, 88.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 44.037, 85.443 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, 194, 116)` looks like.

```
.text, #text, p{  
    color:rgb(231, 194, 116)  
}
```

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, 194, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 194, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 44.037, 85.443 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, 194, 116) }
```

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

```
.border{ border-color:rgb(231, 194, 116) }
```

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

Here you see how a box with a 4 pixel rgb(231, 194, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 194, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 194, 116);  
box-shadow:4px 4px 4px 4px rgb(231, 194,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 44.037, 85.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 194, 116) }
```

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

```
.background{ background-color: rgb(231,  
194, 116) }
```

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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