

Converting Colors

CIELCh(81, 46.630, 85.245)

Have a look what the booklet for
CIELCh(81, 46.630, 85.245) contains.

CIELCh(81, 46.658, 85.299)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 46.658, 85.299)

Conversions

Conversions Part 1

Format	Color
Hex	EBC471
RGB	235, 196, 113
RGB Percent	92%, 77%, 44%
CMY	0.0776, 0.2305, 0.5561
CMYK	0.00, 0.17, 0.52, 0.08
HSL	41°, 76%, 68%
HSV	41°, 52%, 92%
XYZ	57.1138, 58.4711, 23.9567
YIQ	198.1990, 49.8870, -17.5450

Conversions

Conversions Part 2

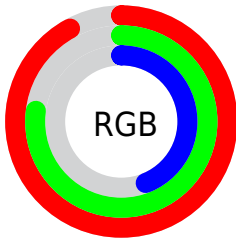
Format	Color
RYB	170, 235, 113
Decimal	15451249
CIELab	81.00, 3.82, 46.50
CIElCh	81, 46.658, 85.299
Yxy	58.4711, 0.4093, 0.4190
Android (android.graphics.Color)	4293641329 (0xFFEBC471)
YUV	198.1990, -42.0031, 32.2745
Hunter-Lab	76.4664, -0.4920, 34.9511

Details

The CIELCh color **81, 46.658, 85.299** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **63, 46.974, 281.868**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 43.117, 105.290**, and **61, 46.895, 85.500** is the 20% darker color. If you saturate the color by 10%, you get **79, 55.568, 83.832**, and if you desaturate by 10%, it is **83, 37.512, 86.717**.

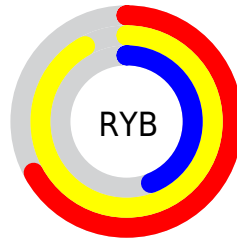
Distribution



Red (92%)

Green (77%)

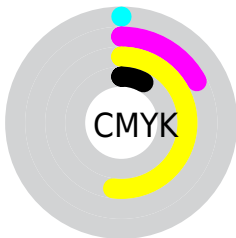
Blue (44%)



Red (67%)

Yellow (92%)

Blue (44%)

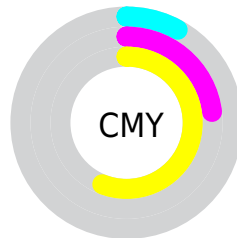


Cyan (0%)

Magenta (17%)

Yellow (52%)

Black (8%)



Cyan (8%)

Magenta (23%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 46.658, 85.299 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 81, 46.658, 85.299 by changing the saturation by 10% instead.

81, 46.658, 85.299

81, 46.658, 85.299

100, 46.658,
85.299

71, 46.658, 85.299

61, 46.658, 85.299

51, 46.658, 85.299

41, 46.658, 85.299

31, 46.658, 85.299

21, 46.658, 85.299

11, 46.658, 85.299

1, 46.658, 85.299

0, 46.658, 85.299

81, 46.658, 85.299

81, 46.658, 85.299

79, 55.568, 83.832

83, 37.512, 86.717

77, 63.838, 82.265

85, 28.348, 88.088

75, 70.807, 80.520

88, 19.280, 89.418

73, 75.583, 78.448

90, 10.361, 90.699

71, 77.693, 76.467

93, 1.612, 91.810

95, 6.964, 273.209

97, 5.578, 233.621

99, 6.776, 199.074

Harmonies

Complementary

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



81, 46.658, 85.299



63, 46.974, 281.868

Rectangle

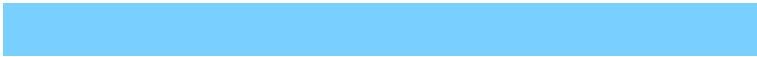
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 46.658, 85.299



81, 46.658, 135.299



81, 46.658, 265.299



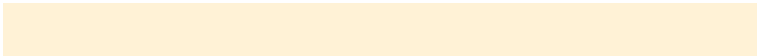
81, 46.658, 315.299

Sweetspot

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



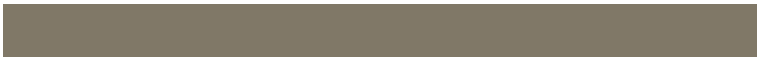
81, 46.658, 85.303



96, 14.968, 90.168



63, 51.226, 0.699



51, 10.127, 89.903



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 46.658, 85.303



85, 59.432, 83.772



89, 61.093, 113.046



48, 4.932, 90.997



56, 63.893, 76.974



16, 23.535, 79.836

Inverse Universe

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



63, 46.974, 281.868



62, 60.635, 284.874



55, 70.005, 302.122



46, 4.938, 273.466



30, 77.154, 297.292



6, 27.317, 289.612

Previews

White Background



This preview shows how the CIELCh color 81, 46.658, 85.299 looks on a white background.

Color Contrast Check

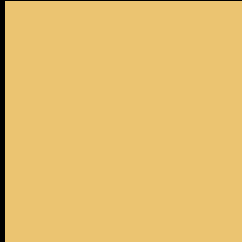
Large Text (above 18pt) WCAG AA × Fail

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 81, 46.658, 85.299 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 81, 46.658, 85.299

Background



This preview shows how black text looks on a background with the CIELCh color 81, 46.658, 85.299.



This preview shows how white text looks on a background with the CIELCh color 81, 46.658, 85.299.

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

81, 46.658, 85.299

Protanopia

81, 45.461, 95.415

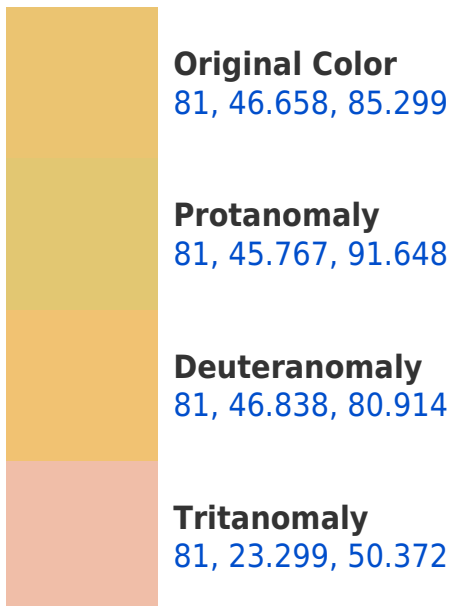
Deuteranopia

81, 47.308, 77.713



Tritanopia
81, 22.617, 2.331

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 46.658, 85.299 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, 196, 113)` looks like.

```
.text, #text, p{  
    color:rgb(235, 196, 113)  
}
```

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, 196, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 196, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 46.658, 85.299 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, 196, 113) }
```

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

```
.border{ border-color:rgb(235, 196, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 196, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 196, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 196, 113);  
box-shadow:4px 4px 4px 4px rgb(235, 196,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 46.658, 85.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 196, 113) }
```

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

```
.background{ background-color: rgb(235,  
196, 113) }
```

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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