

Converting Colors

CIELCh(85, 41.649, 91.834)

Have a look what the booklet for
CIELCh(85, 41.649, 91.834) contains.

CIELCh(85, 41.742, 92.294)	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(85, 41.742, 92.294)

Conversions

Conversions Part 1

Format	Color
Hex	ECD385
RGB	236, 211, 133
RGB Percent	93%, 83%, 52%
CMY	0.0751, 0.1731, 0.4790
CMYK	0.00, 0.11, 0.44, 0.08
HSL	45°, 73%, 72%
HSV	45°, 44%, 92%
XYZ	62.0181, 66.0070, 31.6099
YIQ	209.5830, 39.9380, -18.9580

Conversions

Conversions Part 2

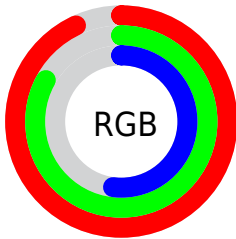
Format	Color
R _Y B	166, 236, 133
Decimal	15520645
CIE Lab	85.00, -1.67, 41.71
CIE LCh	85, 41.742, 92.294
Yxy	66.0070, 0.3885, 0.4135
Android (android.graphics.Color)	4293710725 (0xFFECD385)
YUV	209.5830, -37.7554, 23.1677
Hunter-Lab	81.2447, -5.9203, 33.8033

Details

The CIELCh color **85, 41.742, 92.294** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **66, 43.476, 284.929**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 34.195, 107.573**, and **65, 41.671, 92.752** is the 20% darker color. If you saturate the color by 10%, you get **83, 51.135, 90.973**, and if you desaturate by 10%, it is **87, 32.148, 93.594**.

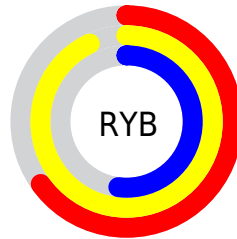
Distribution



Red (93%)

Green (83%)

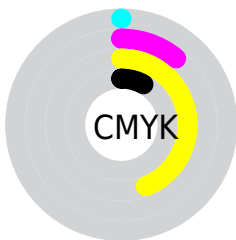
Blue (52%)



Red (65%)

Yellow (93%)

Blue (52%)

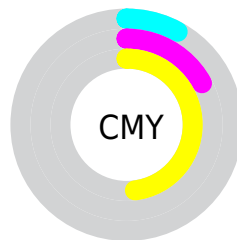


Cyan (0%)

Magenta (11%)

Yellow (44%)

Black (8%)



Cyan (8%)

Magenta (17%)

Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 41.742, 92.294 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 85, 41.742, 92.294 by changing the saturation by 10% instead.

 85, 41.742, 92.294

 85, 41.742, 92.294

 100, 41.742,
92.294

 75, 41.742, 92.294

 65, 41.742, 92.294

 55, 41.742, 92.294

 45, 41.742, 92.294

 35, 41.742, 92.294

 25, 41.742, 92.294

 15, 41.742, 92.294

 5, 41.742, 92.294

 0, 41.742, 92.294

85, 41.742, 92.294

85, 41.742, 92.294

83, 51.135, 90.973

87, 32.148, 93.594

82, 60.036, 89.614

89, 22.514, 94.859

80, 67.963, 88.199

91, 12.930, 96.085

78, 74.198, 86.677

93, 3.440, 97.235

77, 77.939, 84.953

95, 5.934, 278.479

76, 79.114, 83.744

96, 5.913, 257.787

98, 5.535, 221.445

99, 6.569, 199.090

Harmonies

Complementary

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



85, 41.742, 92.294



66, 43.476, 284.929

Rectangle

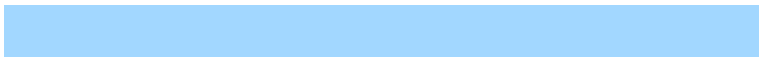
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 41.742, 92.294



85, 41.742, 142.294



85, 41.742, 272.294



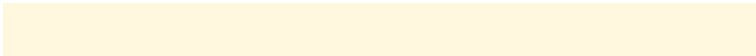
85, 41.742, 322.294

Sweetspot

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



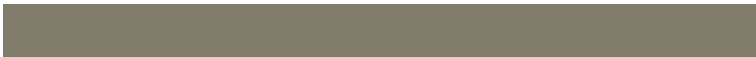
85, 41.743, 92.298



97, 13.099, 96.159



67, 42.394, 5.185



51, 9.179, 95.892



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 41.743, 92.298



90, 52.832, 91.167



90, 52.811, 117.185



48, 5.337, 96.585



60, 64.989, 84.118



17, 24.842, 86.905

Inverse Universe

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



66, 43.476, 284.929



66, 55.874, 286.992



62, 58.398, 303.518



46, 5.381, 278.919



27, 85.978, 300.859



5, 29.684, 292.440

Previews

White Background



This preview shows how the CIELCh color 85, 41.742, 92.294 looks on a white background.

Color Contrast Check

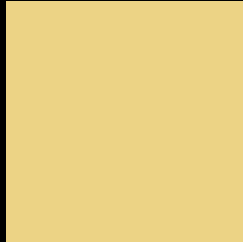
Large Text (above 18pt) WCAG AA × Fail

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 85, 41.742, 92.294 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 85, 41.742, 92.294

Background



This preview shows how black text looks on a background with the CIELCh color 85, 41.742, 92.294.



This preview shows how white text looks on a background with the CIELCh color 85, 41.742, 92.294.

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

85, 41.742, 92.294

Protanopia

85, 41.605, 95.747

Deuteranopia

85, 40.715, 75.070



Tritanopia
85, 17.631, 354.391

Trichromacy



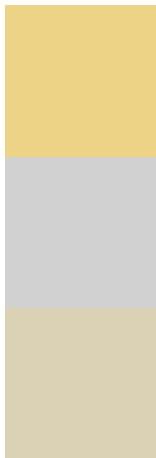
Original Color
85, 41.742, 92.294

Protanomaly
85, 41.784, 94.631

Deuteranomaly
85, 40.706, 81.567

Tritanomaly
85, 17.208, 55.310

Monochromacy



Original Color
85, 41.742, 92.294

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 15.583, 96.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 41.742, 92.294 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(236, 211, 133)` looks like.

```
.text, #text, p{  
    color:rgb(236, 211, 133)  
}
```

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(236, 211, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 211, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 41.742, 92.294 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(236, 211, 133) }
```

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

```
.border{ border-color:rgb(236, 211, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 211, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 211, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 211, 133); box-shadow:4px 4px 4px 4px rgb(236, 211, 133) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 41.742, 92.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 211, 133) }
```

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

```
.background{ background-color: rgb(236,  
211, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor