

Converting Colors

CIELCh(85, 46.941, 91.715)

Have a look what the booklet for
CIELCh(85, 46.941, 91.715) contains.

CIELCh(85, 47.059, 91.220)	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, 47.059, 91.220)

Conversions

Conversions Part 1

Format	Color
Hex	EFD27A
RGB	239, 210, 122
RGB Percent	94%, 82%, 48%
CMY	0.0618, 0.1756, 0.5207
CMYK	0.00, 0.12, 0.49, 0.06
HSL	45°, 79%, 71%
HSV	45°, 49%, 94%
XYZ	62.3055, 66.0070, 27.9383
YIQ	208.6390, 45.5320, -21.2200

Conversions

Conversions Part 2

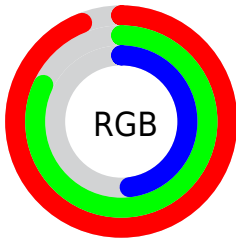
Format	Color
R _Y B	161, 239, 122
Decimal	15716986
CIE Lab	85.00, -1.00, 47.05
CIE LCh	85, 47.059, 91.220
Yxy	66.0070, 0.3988, 0.4224
Android (android.graphics.Color)	4293907066 (0xFFEFD27A)
YUV	208.6390, -42.7130, 26.6266
Hunter-Lab	81.2447, -5.2889, 36.4827

Details

The CIELCh color **85, 47.059, 91.220** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **64, 49.316, 285.857**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 39.607, 107.155**, and **65, 46.973, 91.263** is the 20% darker color. If you saturate the color by 10%, you get **83, 56.332, 89.872**, and if you desaturate by 10%, it is **87, 37.460, 92.543**.

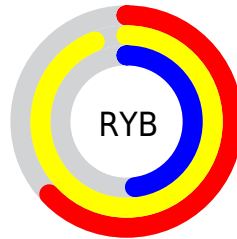
Distribution



Red (94%)

Green (82%)

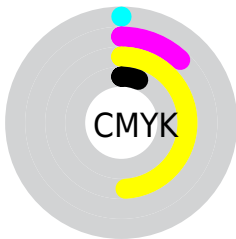
Blue (48%)



Red (63%)

Yellow (94%)

Blue (48%)

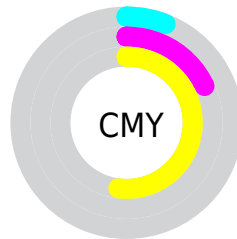


Cyan (0%)

Magenta (12%)

Yellow (49%)

Black (6%)



Cyan (6%)

Magenta (18%)

Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 47.059, 91.220 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, 47.059, 91.220 by changing the saturation by 10% instead.

 85, 47.059, 91.220

 85, 47.059, 91.220

 100, 47.059,
91.220

 75, 47.059, 91.220

 65, 47.059, 91.220

 55, 47.059, 91.220

 45, 47.059, 91.220

 35, 47.059, 91.220

 25, 47.059, 91.220

 15, 47.059, 91.220

 5, 47.059, 91.220

 0, 47.059, 91.220

85, 47.059, 91.220

85, 47.059, 91.220

83, 56.332, 89.872

87, 37.460, 92.543

82, 64.890, 88.474

89, 27.755, 93.833

80, 72.120, 86.992

91, 18.067, 95.087

78, 77.205, 85.348

93, 8.460, 96.295

77, 79.632, 83.450

95, 1.035, 277.704

77, 79.834, 83.239

97, 5.186, 264.716

98, 4.583, 220.579

99, 5.421, 199.184

Harmonies

Complementary

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



85, 47.059, 91.220



64, 49.316, 285.857

Rectangle

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



85, 47.059, 91.220



85, 47.059, 141.220



85, 47.059, 271.220



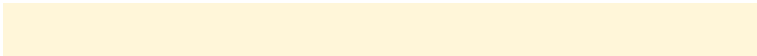
85, 47.059, 321.220

Sweetspot

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



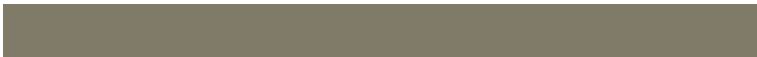
85, 47.060, 91.224



97, 15.053, 95.561



65, 48.188, 6.259



51, 10.283, 95.302



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



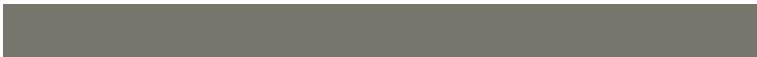
85, 47.060, 91.224



88, 59.391, 89.833



90, 59.404, 116.898



49, 5.403, 96.229



60, 65.550, 83.618



18, 25.976, 86.322

Inverse Universe

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



64, 49.316, 285.857



61, 63.634, 288.567



59, 66.712, 304.079



47, 5.445, 278.578



28, 86.380, 300.679



5, 31.176, 293.482

Previews

White Background



This preview shows how the CIELCh color 85, 47.059, 91.220 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, 47.059, 91.220 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, 47.059, 91.220

Background



This preview shows how black text looks on a background with the CIELCh color 85, 47.059, 91.220.

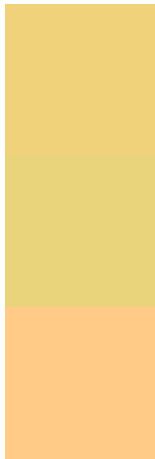


This preview shows how white text looks on a background with the CIELCh color 85, 47.059, 91.220.

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, 47.059, 91.220

Protanopia

85, 46.638, 95.346

Deuteranopia

85, 42.515, 76.242



Tritanopia
85, 19.880, 356.143

Trichromacy



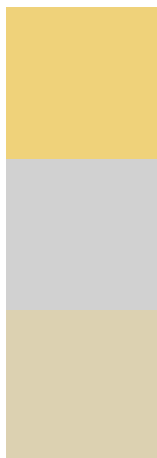
Original Color
85, 47.059, 91.220

Protanomaly
85, 46.472, 93.740

Deuteranomaly
85, 43.702, 82.377

Tritanomaly
85, 20.207, 54.870

Monochromacy



Original Color
85, 47.059, 91.220

Achromatopsia
84, 0.010, 296.813

Achromatomaly
84, 17.310, 94.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 47.059, 91.220 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(239, 210, 122)` looks like.

```
.text, #text, p{  
    color:rgb(239, 210, 122)  
}
```

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(239, 210, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 210, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 47.059, 91.220 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(239, 210, 122) }
```

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

```
.border{ border-color:rgb(239, 210, 122) }
```

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

Here you see how a box with a 4 pixel rgb(239, 210, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 210, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 210, 122);  
box-shadow:4px 4px 4px 4px rgb(239, 210,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 47.059, 91.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 210, 122) }
```

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

```
.background{ background-color: rgb(239,  
210, 122) }
```

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