

# Converting Colors

CIELCh(84, 42.068, 92.602)

Have a look what the booklet for  
CIELCh(84, 42.068, 92.602) contains.

<b>CIELCh(84, 41.841, 92.224)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(84, 41.841, 92.224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D082
RGB	233, 208, 130
RGB Percent	91%, 82%, 51%
CMY	0.0862, 0.1842, 0.4901
CMYK	0.00, 0.11, 0.44, 0.09
HSL	45°, 70%, 71%
HSV	45°, 44%, 91%
XYZ	60.2070, 64.0658, 30.3209
YIQ	206.5830, 39.9380, -18.9580

# Conversions

## Conversions Part 2

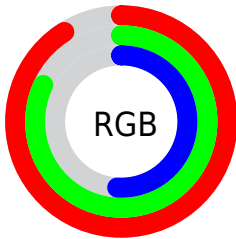
Format	Color
R <sub>Y</sub> B	163, 233, 130
Decimal	15323266
CIE Lab	84.00, -1.62, 41.81
CIE LCh	84, 41.841, 92.224
Yxy	64.0658, 0.3895, 0.4144
Android (android.graphics.Color)	4293513346 (0xFFE9D082)
YUV	206.5830, -37.7554, 23.1677
Hunter-Lab	80.0411, -5.8039, 33.5687

# Details

The CIELCh color **84, 41.841, 92.224** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **65, 43.612, 285.040**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 35.677, 107.459**, and **64, 41.892, 92.045** is the 20% darker color. If you saturate the color by 10%, you get **82, 51.127, 90.903**, and if you desaturate by 10%, it is **86, 32.346, 93.525**.

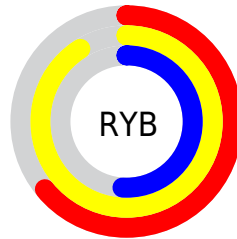
# Distribution



Red (91%)

Green (82%)

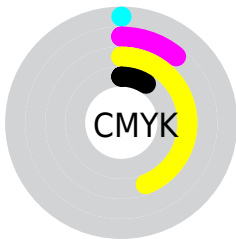
Blue (51%)



Red (64%)

Yellow (91%)

Blue (51%)

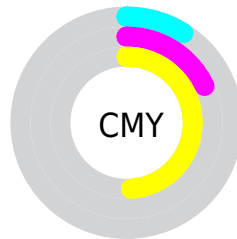


Cyan (0%)

Magenta (11%)

Yellow (44%)

Black (9%)



Cyan (9%)

Magenta (18%)

Yellow (49%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 41.841, 92.224 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 84, 41.841, 92.224 by changing the saturation by 10% instead.



 84, 41.841, 92.224

 84, 41.841, 92.224

 100, 41.841,  
92.224

 74, 41.841, 92.224

 64, 41.841, 92.224

 54, 41.841, 92.224

 44, 41.841, 92.224

 34, 41.841, 92.224

 24, 41.841, 92.224

 14, 41.841, 92.224

 4, 41.841, 92.224

 0, 41.841, 92.224

84, 41.841, 92.224

84, 41.841, 92.224

82, 51.127, 90.903

86, 32.346, 93.525

81, 59.907, 89.543

88, 22.805, 94.791

79, 67.693, 88.124

90, 13.310, 96.019

77, 73.767, 86.595

92, 3.906, 97.177

76, 77.340, 84.860

94, 5.383, 278.418

75, 78.404, 83.754

95, 7.305, 266.013

97, 6.196, 236.896

98, 6.959, 206.359

98, 7.512, 199.018

# Harmonies

# Complementary

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



84, 41.841, 92.224



65, 43.612, 285.040

# Rectangle

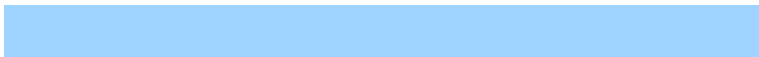
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 41.841, 92.224



84, 41.841, 142.224



84, 41.841, 272.224



84, 41.841, 322.224

# Sweetspot

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



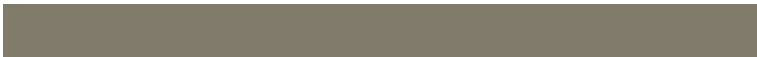
84, 41.842, 92.228



97, 13.099, 96.155



66, 42.515, 5.282



51, 9.178, 95.888



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



84, 41.842, 92.228



89, 53.816, 91.029



89, 52.907, 117.156



48, 5.337, 96.582



60, 64.988, 84.113



17, 24.840, 86.900





# Inverse Universe

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



65, 43.612, 285.040



65, 57.032, 287.247



61, 58.588, 303.571



46, 5.381, 278.915



27, 85.972, 300.857



5, 29.682, 292.438



# Previews

## White Background



This preview shows how the CIELCh color 84, 41.841, 92.224 looks on a white background.

## Color Contrast Check

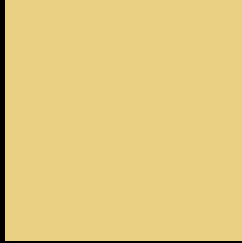
Large Text (above 18pt) WCAG AA × Fail

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 84, 41.841, 92.224 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 84, 41.841, 92.224

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 41.841, 92.224.



This preview shows how white text looks on a background with the CIELCh color 84, 41.841, 92.224.

# 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

84, 41.841, 92.224

### Protanopia

84, 41.668, 95.704

### Deuteranopia

84, 42.431, 75.411



**Tritanopia**  
84, 18.013, 354.984



# Trichromacy



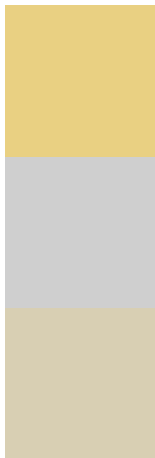
**Original Color**  
84, 41.841, 92.224

**Protanomaly**  
84, 41.390, 94.478

**Deuteranomaly**  
84, 41.953, 81.437

**Tritanomaly**  
84, 17.593, 54.559

# Monochromacy



**Original Color**  
84, 41.841, 92.224

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
83, 15.113, 95.634

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 41.841, 92.224 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(233, 208, 130)` looks like.

```
.text, #text, p{  
    color:rgb(233, 208, 130)  
}
```

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(233, 208, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 208, 130) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 41.841, 92.224 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(233, 208, 130) }
```

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

```
.border{ border-color:rgb(233, 208, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 208, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 208, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 208, 130);  
box-shadow:4px 4px 4px 4px rgb(233, 208,  
130) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 41.841, 92.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 208, 130) }
```

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

```
.background{ background-color: rgb(233,  
208, 130) }
```

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