

# Converting Colors

CIELCh(86, 69.207, 97.852)

Have a look what the booklet for  
CIELCh(86, 69.207, 97.852) contains.

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# **Color**

**CIELCh(86, 69.207, 97.852)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBD94C
RGB	235, 217, 76
RGB Percent	92%, 85%, 30%
CMY	0.0774, 0.1480, 0.7009
CMYK	0.00, 0.08, 0.68, 0.08
HSL	53°, 80%, 61%
HSV	53°, 68%, 92%
XYZ	60.5398, 67.9871, 16.8158
YIQ	206.3080, 55.9890, -40.0350

# Conversions

## Conversions Part 2

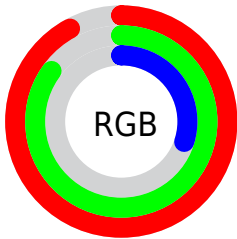
Format	Color
<b>RYB</b>	96, 235, 76
Decimal	15456588
CIELab	86.00, -9.45, 68.56
CIELCh	86, 69.207, 97.852
Yxy	67.9871, 0.4165, 0.4678
Android (android.graphics.Color)	4293646668 (0xFFEBD94C)
YUV	206.3080, -64.2418, 25.1629
Hunter-Lab	82.4543, -13.2363, 45.6264

# Details

The CIELCh color **86, 69.207, 97.852** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **46, 82.549, 297.440**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 60.423, 105.553**, and **66, 69.069, 97.531** is the 20% darker color. If you saturate the color by 10%, you get **85, 76.449, 96.873**, and if you desaturate by 10%, it is **87, 60.415, 98.891**.

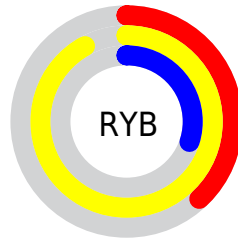
# Distribution



Red (92%)

Green (85%)

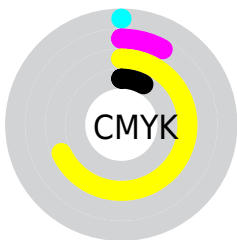
Blue (30%)



Red (38%)

Yellow (92%)

Blue (30%)

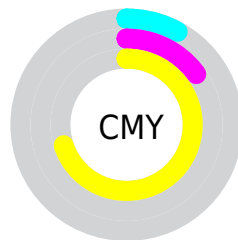


Cyan (0%)

Magenta (8%)

Yellow (68%)

Black (8%)



Cyan (8%)

Magenta (15%)

Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 69.207, 97.852 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 86, 69.207, 97.852 by changing the saturation by 10% instead.



86, 69.207, 97.852

86, 69.207, 97.852

100, 69.207,  
97.852

76, 69.207, 97.852

66, 69.207, 97.852

56, 69.207, 97.852

46, 69.207, 97.852

36, 69.207, 97.852

26, 69.207, 97.852

16, 69.207, 97.852

6, 69.207, 97.852

0, 69.207, 97.852

86, 69.207, 97.852

86, 69.207, 97.852

85, 76.449, 96.873

87, 60.415, 98.891

84, 81.458, 95.948

88, 50.655, 99.967

84, 83.815, 95.063

89, 40.338,  
101.065

84, 84.177, 94.852

90, 29.723,  
102.170

91, 18.970,  
103.266

92, 8.174, 104.337

93, 2.610, 285.452

94, 8.509, 283.198

95, 7.323, 274.522

# Harmonies

# Complementary

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



86, 69.207, 97.852



46, 82.549, 297.440

# Rectangle

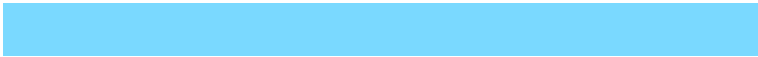
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 69.207, 97.852



86, 69.207, 147.852



86, 69.207, 277.852



86, 69.207, 327.852

# Sweetspot

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



86, 69.207, 97.855



97, 23.028, 102.993



56, 66.692, 21.627



52, 15.707, 102.684



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



86, 69.207, 97.855



91, 83.574, 96.518



87, 79.835, 121.923



49, 6.109, 104.139



66, 69.263, 94.999



19, 27.712, 96.763





# Inverse Universe

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



46, 82.549, 297.440



42, 107.131, 301.067



48, 91.778, 309.277



45, 6.213, 286.229



23, 97.683, 304.680



4, 32.931, 295.562



# Previews

## White Background



This preview shows how the CIELCh color 86, 69.207, 97.852 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 86, 69.207, 97.852 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 86, 69.207, 97.852

## Background



This preview shows how black text looks on a background with the CIELCh color 86, 69.207, 97.852.

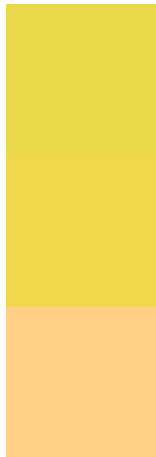


This preview shows how white text looks on a background with the CIELCh color 86, 69.207, 97.852.

# 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

86, 69.207, 97.852

### Protanopia

86, 68.911, 95.300

### Deuteranopia

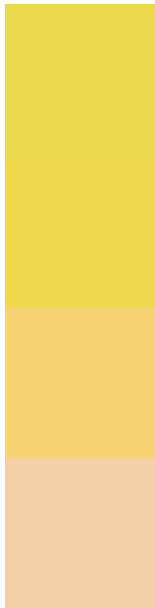
86, 43.278, 79.292



**Tritanopia**  
86, 18.144, 353.438



# Trichromacy



**Original Color**  
86, 69.207, 97.852

**Protanomaly**  
86, 69.073, 96.403

**Deuteranomaly**  
86, 52.753, 88.513

**Tritanomaly**  
85, 25.740, 75.509

# Monochromacy



**Original Color**  
86, 69.207, 97.852

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
84, 27.234, 102.790

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 86, 69.207, 97.852 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, 217, 76)` looks like.

```
.text, #text, p{  
    color:rgb(235, 217, 76)  
}
```

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, 217, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 217, 76) }
```

## Border

The CSS property to change the border of an element to CIELCh 86, 69.207, 97.852 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, 217, 76) }
```

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

```
.border{ border-color:rgb(235, 217, 76) }
```

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

Here you see how a box with a 4 pixel rgb(235, 217, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 217, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 217, 76);  
box-shadow:4px 4px 4px 4px rgb(235, 217,  
76) }
```

# Background

The CSS property to change the background color of an element to CIELCh 86, 69.207, 97.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 217, 76) }
```

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

```
.background{ background-color: rgb(235,  
217, 76) }
```

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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