

Converting Colors

CIELCh(86, 56.988, 105.448)

Have a look what the booklet for
CIELCh(86, 56.988, 105.448)
contains.

CIELCh(86, 57.232, 105.298)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(86, 57.232, 105.298)

Conversions

Conversions Part 1

Format	Color
Hex	DDDD6B
RGB	221, 221, 107
RGB Percent	87%, 87%, 42%
CMY	0.1343, 0.1342, 0.5812
CMYK	0.00, 0.00, 0.52, 0.13
HSL	60°, 62%, 64%
HSV	60°, 52%, 87%
XYZ	58.1876, 67.9871, 23.9077
YIQ	208.0040, 36.5940, -35.4540

Conversions

Conversions Part 2

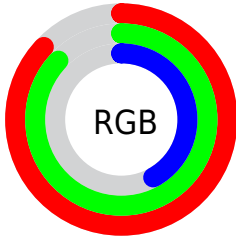
Format	Color
RYB	107, 221, 107
Decimal	14540139
CIELab	86.00, -15.10, 55.20
CIELCh	86, 57.232, 105.298
Yxy	67.9871, 0.3877, 0.4530
Android (android.graphics.Color)	4292730219 (0xFFDDDD6B)
YUV	208.0040, -49.7950, 11.3975
Hunter-Lab	82.4543, -18.3284, 40.5268

Details

The CIELCh color **86, 57.232, 105.298** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **50, 66.211, 297.847**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 46.881, 106.594**, and **66, 57.119, 105.067** is the 20% darker color. If you saturate the color by 10%, you get **86, 66.734, 104.501**, and if you desaturate by 10%, it is **86, 46.868, 106.186**.

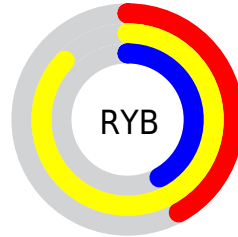
Distribution



Red (87%)

Green (87%)

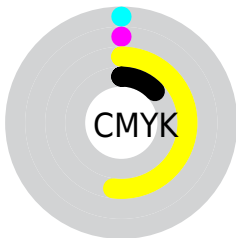
Blue (42%)



Red (42%)

Yellow (87%)

Blue (42%)

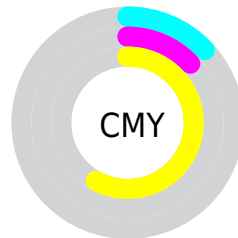


Cyan (0%)

Magenta (0%)

Yellow (52%)

Black (13%)



Cyan (13%)


Magenta (13%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 57.232, 105.298 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, 57.232, 105.298 by changing the saturation by 10% instead.

 86, 57.232,
105.298

 86, 57.232,
105.298

 100, 57.232,
105.298


 76, 57.232,
105.298

 66, 57.232,
105.298

 56, 57.232,
105.298

 46, 57.232,
105.298

 36, 57.232,
105.298


 26, 57.232,
105.298

 16, 57.232,


105.298

 6, 57.232, 105.298


 0, 57.232, 105.298


 86, 57.232,
105.298


 86, 57.232,
105.298

 86, 66.734,
104.501

 86, 46.868,
106.186


 86, 74.912,
103.825

 87, 35.966,
107.124

 86, 81.221,
103.313

 87, 24.746,
108.088

 85, 85.200,
102.996

 87, 13.350,
109.058

 85, 86.917,

 88, 1.865, 109.991

102.861

■ 89, 9.647, 290.980

■ 89, 17.849,
291.633

■ 89, 17.849,
291.637

■ 89, 17.849,
291.640

Harmonies

Complementary

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



86, 57.232, 105.298



50, 66.211, 297.847

Rectangle

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



86, 57.232, 105.298



86, 57.232, 155.298



86, 57.232, 285.298



86, 57.232, 335.298

Sweetspot

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



86, 57.233, 105.301



99, 19.336, 108.720



59, 49.322, 25.512



53, 13.183, 108.514



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, 57.233, 105.301



97, 75.268, 104.436



82, 61.941, 126.693



46, 6.483, 109.271



69, 72.577, 102.861



18, 26.501, 104.170

Inverse Universe

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



50, 66.211, 297.847



50, 91.093, 300.209



56, 66.897, 311.697



42, 6.628, 291.162



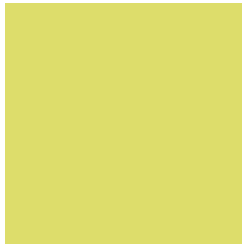
20, 100.215, 306.288



2, 29.602, 294.919

Previews

White Background



This preview shows how the CIELCh color 86, 57.232, 105.298 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, 57.232, 105.298 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, 57.232, 105.298

Background



This preview shows how black text looks on a background with the CIELCh color 86, 57.232, 105.298.

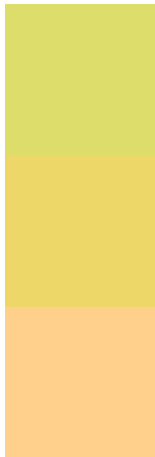


This preview shows how white text looks on a background with the CIELCh color 86, 57.232, 105.298.

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, 57.232, 105.298

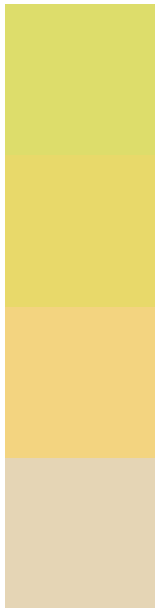
Protanopia
86, 56.537, 95.439

Deuteranopia
86, 40.531, 77.732



Tritanopia
86, 12.349, 337.571

Trichromacy



Original Color
86, 57.232, 105.298

Protanomaly
86, 56.385, 98.913

Deuteranomaly
86, 45.335, 89.842

Tritanomaly
86, 17.833, 88.447

Monochromacy



Original Color
86, 57.232, 105.298

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 21.930, 108.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 57.232, 105.298 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(221, 221, 107)` looks like.

```
.text, #text, p{  
    color:rgb(221, 221, 107)  
}
```

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(221, 221, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 221, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 57.232, 105.298 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(221, 221, 107) }
```

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

```
.border{ border-color:rgb(221, 221, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 221, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 221, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 221, 107); box-shadow:4px 4px 4px 4px rgb(221, 221, 107) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 57.232, 105.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 221, 107) }
```

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

```
.background{ background-color: rgb(221,  
221, 107) }
```

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