

Converting Colors

CIELCh(86, 67.996, 104.424)

Have a look what the booklet for
CIELCh(86, 67.996, 104.424)
contains.

CIELCh(86, 67.907, 104.400)	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, 67.907, 104.400)

Conversions

Conversions Part 1

Format	Color
Hex	DDDD52
RGB	221, 221, 82
RGB Percent	87%, 87%, 32%
CMY	0.1316, 0.1317, 0.6768
CMYK	0.00, 0.00, 0.63, 0.13
HSL	60°, 67%, 60%
HSV	60°, 63%, 87%
XYZ	57.4557, 67.9871, 18.1592
YIQ	205.1540, 44.6190, -43.2290

Conversions

Conversions Part 2

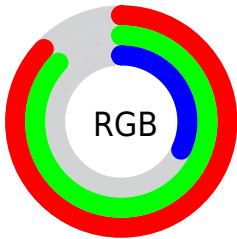
Format	Color
RYB	82, 221, 82
Decimal	14540114
CIELab	86.00, -16.89, 65.77
CIELCh	86, 67.907, 104.400
Yxy	67.9871, 0.4001, 0.4734
Android (android.graphics.Color)	4292730194 (0xFFDDDD52)
YUV	205.1540, -60.7149, 13.8969
Hunter-Lab	82.4543, -19.9129, 44.6604

Details

The CIELCh color **86, 67.907, 104.400** 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 **43, 82.288, 300.268**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 58.151, 105.727**, and **66, 67.799, 104.246** is the 20% darker color. If you saturate the color by 10%, you get **86, 75.916, 103.743**, and if you desaturate by 10%, it is **86, 58.512, 105.191**.

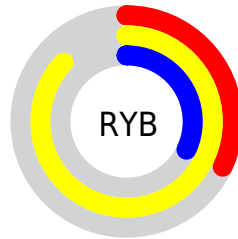
Distribution



Red (87%)

Green (87%)

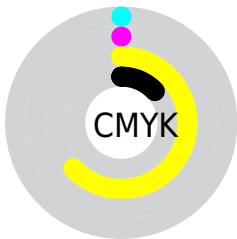
Blue (32%)



Red (32%)

Yellow (87%)

Blue (32%)

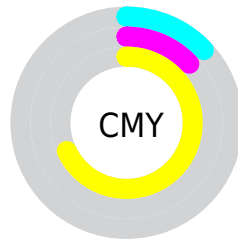


Cyan (0%)

Magenta (0%)

Yellow (63%)

Black (13%)



Cyan (13%)

Magenta (13%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 67.907, 104.400 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, 67.907, 104.400 by changing the saturation by 10% instead.


 86, 67.907,
104.400


 86, 67.907,
104.400

 100, 67.907,
104.400


 76, 67.907,
104.400

 66, 67.907,
104.400

 56, 67.907,
104.400

 46, 67.907,
104.400

 36, 67.907,
104.400

 26, 67.907,
104.400

 16, 67.907,

104.400

■ 6, 67.907, 104.400

■ 0, 67.907, 104.400

■ 86, 67.907,
104.400

■ 86, 67.907,
104.400

■ 86, 75.916,
103.743

■ 86, 58.512,
105.191

■ 86, 81.986,
103.252

■ 86, 48.204,
106.068

■ 86, 85.687,
102.957

■ 87, 37.327,
107.002

■ 86, 87.103,
102.845

■ 87, 26.110,
107.965

■ 88, 14.702,

108.936

■ 88, 3.198, 109.886

■ 89, 8.340, 290.864

■ 89, 17.497,
291.592

■ 89, 17.496,
291.589

Harmonies

Complementary

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



86, 67.907, 104.400



43, 82.288, 300.268

Rectangle

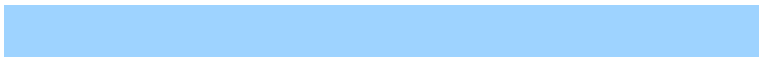
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 67.907, 104.400



86, 67.907, 154.400



86, 67.907, 284.400



86, 67.907, 334.400

Sweetspot

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



86, 67.908, 104.402



99, 24.456, 108.318



54, 61.164, 27.185



53, 16.810, 108.038



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, 67.908, 104.402



97, 86.598, 103.586



82, 73.547, 125.778



46, 6.482, 109.260



69, 72.571, 102.845



18, 26.498, 104.156

Inverse Universe

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



43, 82.288, 300.268



41, 111.117, 303.063



49, 81.278, 311.732



42, 6.627, 291.152



20, 100.210, 306.286



2, 29.599, 294.913

Previews

White Background



This preview shows how the CIELCh color 86, 67.907, 104.400 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, 67.907, 104.400 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, 67.907, 104.400

Background



This preview shows how black text looks on a background with the CIELCh color 86, 67.907, 104.400.

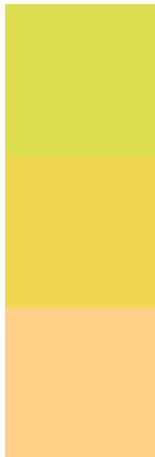


This preview shows how white text looks on a background with the CIELCh color 86, 67.907, 104.400.

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, 67.907, 104.400

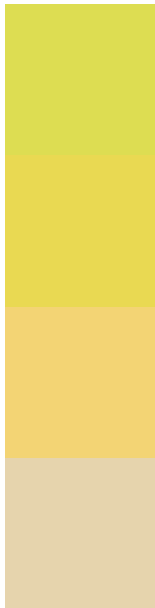
Protanopia
86, 66.957, 95.226

Deuteranopia
86, 42.819, 79.049



Tritanopia
86, 13.507, 339.178

Trichromacy



Original Color
86, 67.907, 104.400

Protanomaly
86, 66.750, 98.576

Deuteranomaly
86, 51.003, 91.043

Tritanomaly
85, 21.581, 89.348

Monochromacy



Original Color
86, 67.907, 104.400

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 26.599, 107.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 67.907, 104.400 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(221, 221, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 221, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 67.907, 104.400 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, 82) }
```

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

```
.border{ border-color:rgb(221, 221, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 221, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 221, 82);  
box-shadow:4px 4px 4px 4px rgb(221, 221,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 67.907, 104.400 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, 82) }
```

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

```
.background{ background-color: rgb(221,  
221, 82) }
```

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