

Converting Colors

CIELCh(88, 85.861, 137.445)

Have a look what the booklet for
CIELCh(88, 85.861, 137.445)
contains.

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Color

CIELCh(88, 85.791, 137.400)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 75F866 |
| RGB | 117, 248, 102 |
| RGB Percent | 46%, 97%, 40% |
| CMY | 0.5401, 0.0264, 0.5990 |
| CMYK | 0.53, 0.00, 0.59, 0.03 |
| HSL | 114°, 92%, 69% |
| HSV | 114°, 59%, 97% |
| XYZ | 43.4345, 72.0653, 24.2557 |
| YIQ | 192.1870, -31.2100, -73.1780 |

Conversions

Conversions Part 2

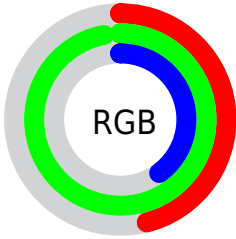
| Format | Color |
|-------------------------------------|--|
| RYB | 102, 248, 233 |
| Decimal | 7731302 |
| CIELab | 88.00, -63.15, 58.07 |
| CIELCh | 88, 85.791, 137.400 |
| Yxy | 72.0653, 0.3108, 0.5157 |
| Android (android.graphics.Color) | 4285921382 (0xFF75F866) |
| YUV | 192.1870, -44.4622, -65.9390 |
| Hunter-Lab | 84.8913, -57.2305, 42.4832 |

Details

The CIELCh color **88, 85.791, 137.400** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **65, 86.031, 324.218**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 57.120, 136.265**, and **68, 85.642, 137.394** is the 20% darker color. If you saturate the color by 10%, you get **87, 97.336, 136.582**, and if you desaturate by 10%, it is **89, 72.637, 138.274**.

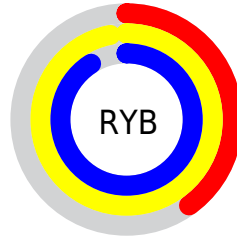
Distribution



Red (46%)

Green (97%)

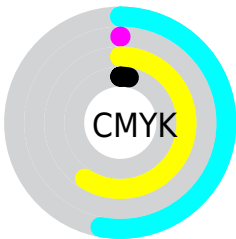
Blue (40%)



Red (40%)

Yellow (97%)

Blue (91%)

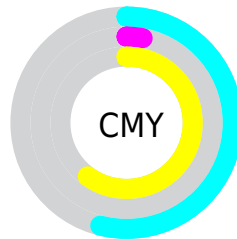


Cyan (53%)

Magenta (0%)

Yellow (59%)

Black (3%)



Cyan (54%)

Magenta (3%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 85.791, 137.400 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 88, 85.791, 137.400 by changing the saturation by 10% instead.

 88, 85.791,
137.400

 88, 85.791,
137.400

 100, 85.791,
137.400

 78, 85.791,
137.400

 68, 85.791,
137.400

 58, 85.791,
137.400

 48, 85.791,
137.400

 38, 85.791,
137.400

 28, 85.791,
137.400

 18, 85.791,


137.400

 8, 85.791, 137.400


 0, 85.791, 137.400


 88, 85.791,
137.400


 88, 85.791,
137.400


 87, 97.336,
136.582


 89, 72.637,
138.274

 86, 106.623,
135.942


 90, 58.422,
139.121


 86, 113.051,
135.615

 92, 43.580,
139.898

 86, 116.470,
135.637

 94, 28.445,
140.589

 86, 116.762,

 96, 13.264,

135.634

141.197

98, 1.782, 321.533

98, 4.188, 324.514

Harmonies

Complementary

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



88, 85.791, 137.400



65, 86.031, 324.218

Rectangle

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



88, 85.791, 137.400



88, 85.791, 187.400



88, 85.791, 317.400



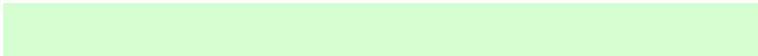
88, 85.791, 7.400

Sweetspot

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



88, 85.792, 137.401



96, 27.803, 140.640



91, 64.104, 98.545



51, 19.333, 140.450



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 85.792, 137.401



89, 101.722, 136.415



88, 66.781, 151.545



51, 8.603, 141.157



67, 94.897, 135.543



22, 41.636, 135.577

Inverse Universe

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



65, 86.031, 324.218



62, 101.304, 324.470



64, 67.843, 343.501



49, 8.632, 322.075



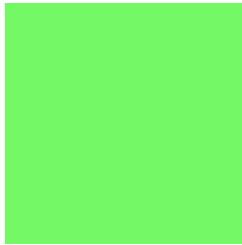
41, 92.804, 324.239



10, 41.938, 324.731

Previews

White Background



This preview shows how the CIE LCh color 88, 85.791, 137.400 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 88, 85.791, 137.400 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

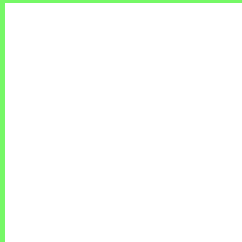
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 85.791, 137.400

Background



This preview shows how black text looks on a background with the CIELCh color 88, 85.791, 137.400.

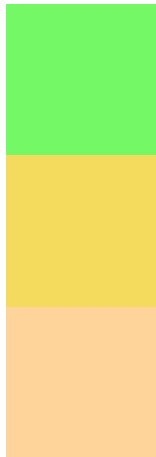


This preview shows how white text looks on a background with the CIELCh color 88, 85.791, 137.400.

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
88, 85.791, 137.400

Protanopia
87, 63.616, 95.188

Deuteranopia
87, 34.675, 77.377

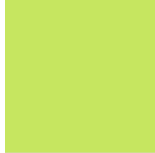


Tritanopia
88, 26.949, 219.696

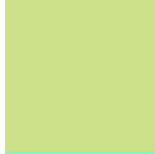
Trichromacy



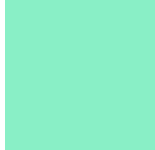
Original Color
88, 85.791, 137.400



Protanomaly
87, 67.184, 115.983

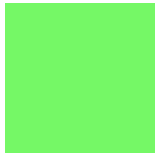


Deuteranomaly
86, 46.095, 116.356

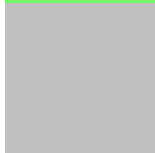


Tritanomaly
88, 40.444, 164.796

Monochromacy



Original Color
88, 85.791, 137.400



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 33.166, 139.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 85.791, 137.400 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(117, 248, 102)` looks like.

```
.text, #text, p{  
    color:rgb(117, 248, 102)  
}
```

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(117, 248, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 248, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 85.791, 137.400 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(117, 248, 102) }
```

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

```
.border{ border-color:rgb(117, 248, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 248, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 248, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 248, 102);  
box-shadow:4px 4px 4px 4px rgb(117, 248,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 85.791, 137.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 248, 102) }
```

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

```
.background{ background-color: rgb(117,  
248, 102) }
```

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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