

Converting Colors

CIELCh(84, 80.497, 138.480)

Have a look what the booklet for
CIELCh(84, 80.497, 138.480)
contains.

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Color

CIELCh(84, 80.828, 138.456)

Conversions

Conversions Part 1

Format	Color
Hex	6EEC66
RGB	110, 236, 102
RGB Percent	43%, 93%, 40%
CMY	0.5699, 0.0757, 0.6011
CMYK	0.53, 0.00, 0.57, 0.08
HSL	116°, 78%, 66%
HSV	116°, 57%, 92%
XYZ	38.6839, 64.0658, 22.8254
YIQ	183.0500, -32.0820, -68.3860

Conversions

Conversions Part 2

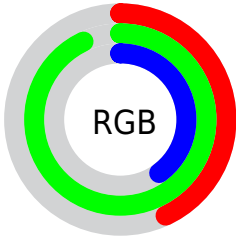
Format	Color
RYB	102, 236, 228
Decimal	7269478
CIELab	84.00, -60.50, 53.60
CIElCh	84, 80.828, 138.456
Yxy	64.0658, 0.3081, 0.5102
Android (android.graphics.Color)	4285459558 (0xFF6EEC66)
YUV	183.0500, -39.9576, -64.0648
Hunter-Lab	80.0411, -53.8028, 39.1210

Details

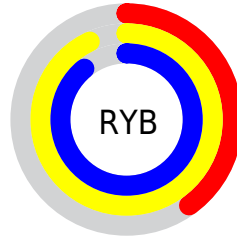
The CIELCh color **84, 80.828, 138.456** is a dark color, and the websafe version is hex **66FF66**. A complement of this color would be **63, 80.642, 325.506**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 59.004, 138.161**, and **64, 80.757, 138.457** is the 20% darker color. If you saturate the color by 10%, you get **83, 92.266, 137.496**, and if you desaturate by 10%, it is **85, 67.892, 139.428**.

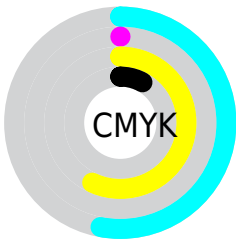
Distribution



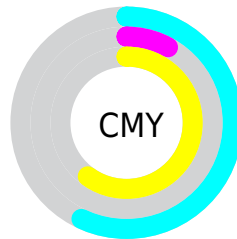
- Red (43%)
- Green (93%)
- Blue (40%)



- Red (40%)
- Yellow (93%)
- Blue (89%)



- Cyan (53%)
- Magenta (0%)
- Yellow (57%)
- Black (8%)





- Cyan (57%)
- Magenta (8%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 80.828, 138.456 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, 80.828, 138.456 by changing the saturation by 10% instead.

 84, 80.828,
138.456

 84, 80.828,
138.456


 100, 80.828,
138.456


 74, 80.828,
138.456

 64, 80.828,
138.456

 54, 80.828,
138.456

 44, 80.828,
138.456

 34, 80.828,
138.456

 24, 80.828,
138.456

 14, 80.828,

138.456

■ 4, 80.828, 138.456

■ 0, 80.828, 138.456

■ 84, 80.828,
138.456

■ 84, 80.828,
138.456

■ 83, 92.266,
137.496

■ 85, 67.892,
139.428

■ 83, 101.595,
136.661

■ 86, 53.972,
140.339

■ 82, 108.220,
136.092

■ 88, 39.482,
141.158

■ 82, 111.839,
135.884

■ 90, 24.742,
141.875

■ 82, 112.563,

■ 92, 9.993, 142.504

135.829

■ 94, 4.590, 322.938

■ 95, 12.041,
324.834

Harmonies

Complementary

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



84, 80.828, 138.456



63, 80.642, 325.506

Rectangle

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



84, 80.828, 138.456



84, 80.828, 188.456



84, 80.828, 318.456



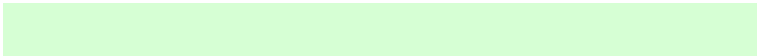
84, 80.828, 8.456

Sweetspot

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



84, 80.829, 138.457



96, 26.623, 141.860



89, 62.150, 101.544



51, 17.818, 141.722



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, 80.829, 138.457



89, 99.516, 137.364



85, 59.584, 154.080



48, 8.283, 142.345



64, 92.299, 135.764



18, 37.716, 137.301

Inverse Universe

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



63, 80.642, 325.506



64, 98.603, 325.824



62, 61.494, 346.073



46, 8.304, 323.307



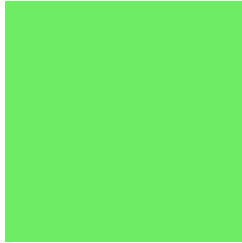
41, 89.657, 325.912



9, 38.370, 326.248

Previews

White Background



This preview shows how the CIE LCh color 84, 80.828, 138.456 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, 80.828, 138.456 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

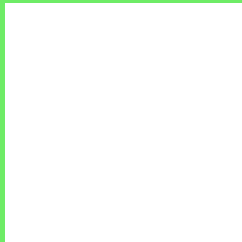
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 80.828, 138.456

Background



This preview shows how black text looks on a background with the CIELCh color 84, 80.828, 138.456.

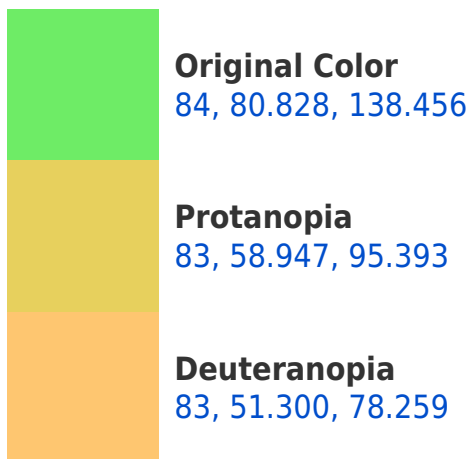


This preview shows how white text looks on a background with the CIELCh color 84, 80.828, 138.456.

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





Tritanopia
84, 26.377, 219.155

Trichromacy



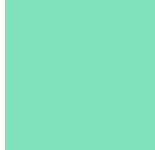
Original Color
84, 80.828, 138.456



Protanomaly
83, 62.293, 116.759



Deuteranomaly
82, 53.042, 110.017

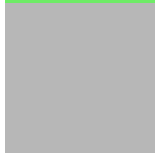


Tritanomaly
83, 38.440, 166.226

Monochromacy



Original Color
84, 80.828, 138.456



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 31.464, 141.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 80.828, 138.456 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(110, 236, 102)` looks like.

```
.text, #text, p{  
    color:rgb(110, 236, 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(110, 236, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 236, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 80.828, 138.456 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(110, 236, 102) }
```

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

```
.border{ border-color:rgb(110, 236, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 236, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 236, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 236, 102); box-shadow:4px 4px 4px 4px rgb(110, 236, 102) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 80.828, 138.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 236, 102) }
```

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

```
.background{ background-color: rgb(110,  
236, 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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