

Converting Colors

CIELCh(84, 63.678, 130.854)

Have a look what the booklet for
CIELCh(84, 63.678, 130.854)
contains.

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Color

CIELCh(84, 63.316, 130.777)

Conversions

Conversions Part 1

Format	Color
Hex	9EE473
RGB	158, 228, 115
RGB Percent	62%, 89%, 45%
CMY	0.3800, 0.1054, 0.5486
CMYK	0.31, 0.00, 0.50, 0.11
HSL	97°, 68%, 67%
HSV	97°, 50%, 89%
XYZ	44.9944, 64.0658, 26.2443
YIQ	194.1880, -5.4470, -49.9830

Conversions

Conversions Part 2

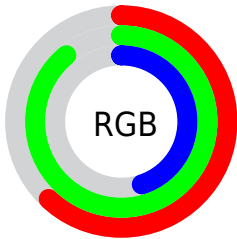
Format	Color
RYB	115, 228, 185
Decimal	10413171
CIELab	84.00, -41.35, 47.95
CIElCh	84, 63.316, 130.777
Yxy	64.0658, 0.3325, 0.4735
Android (android.graphics.Color)	4288603251 (0xFF9EE473)
YUV	194.1880, -39.0397, -31.7369
Hunter-Lab	80.0411, -39.7297, 36.5884

Details

The CIELCh color **84, 63.316, 130.777** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **60, 66.606, 315.297**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 45.852, 126.213**, and **64, 63.191, 130.696** is the 20% darker color. If you saturate the color by 10%, you get **83, 74.838, 130.373**, and if you desaturate by 10%, it is **85, 51.035, 131.264**.

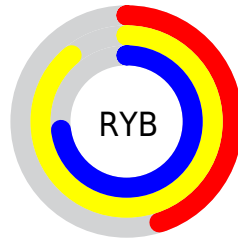
Distribution



Red (62%)

Green (89%)

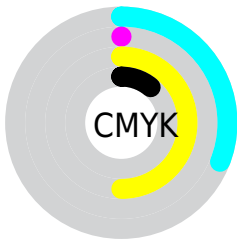
Blue (45%)



Red (45%)

Yellow (89%)

Blue (73%)

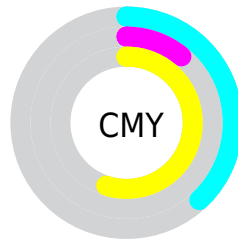


Cyan (31%)

Magenta (0%)

Yellow (50%)

Black (11%)



Cyan (38%)

Magenta (11%)

Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 63.316, 130.777 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, 63.316, 130.777 by changing the saturation by 10% instead.

 84, 63.316,
130.777

 84, 63.316,
130.777


 100, 63.316,
130.777

 74, 63.316,
130.777

 64, 63.316,
130.777

 54, 63.316,
130.777

 44, 63.316,
130.777

 34, 63.316,
130.777

 24, 63.316,
130.777

 14, 63.316,

130.777

■ 4, 63.316, 130.777

■ 0, 63.316, 130.777

■ 84, 63.316,
130.777

■ 84, 63.316,
130.777

■ 83, 74.838,
130.373

■ 85, 51.035,
131.264

■ 82, 85.160,
130.143

■ 86, 38.308,
131.773

■ 82, 93.738,
130.210

■ 88, 25.362,
132.270

■ 81, 100.042,
130.701

■ 89, 12.354,
132.740

■ 81, 104.026,

■ 91, 0.603, 312.862

131.609

92, 13.430,
313.514

80, 104.186,
131.649

93, 16.806,
325.007

Harmonies

Complementary

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



84, 63.316, 130.777



60, 66.606, 315.297

Rectangle

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



84, 63.316, 130.777



84, 63.316, 180.777



84, 63.316, 310.777



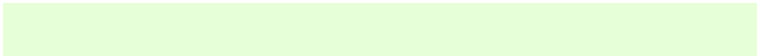
84, 63.316, 0.777

Sweetspot

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



84, 63.317, 130.778



97, 21.295, 132.483



77, 41.679, 80.230



52, 14.534, 132.382



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, 63.317, 130.778



92, 81.202, 130.379



82, 65.522, 143.514



47, 7.390, 132.744



64, 86.492, 131.413



18, 33.474, 131.310

Inverse Universe

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



60, 66.606, 315.297



61, 86.208, 315.632



65, 65.149, 330.734



45, 7.467, 313.512



31, 93.068, 314.978



5, 36.334, 315.290

Previews

White Background



This preview shows how the CIELCh color 84, 63.316, 130.777 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, 63.316, 130.777 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, 63.316, 130.777

Background



This preview shows how black text looks on a background with the CIELCh color 84, 63.316, 130.777.

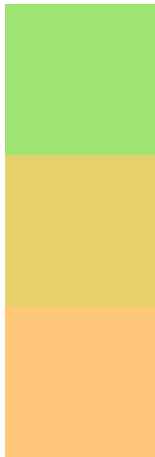


This preview shows how white text looks on a background with the CIELCh color 84, 63.316, 130.777.

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](#).

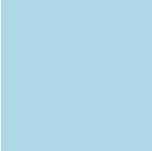
Dichromacy



Original Color
84, 63.316, 130.777

Protanopia
84, 52.418, 95.843

Deuteranopia
84, 46.995, 76.810

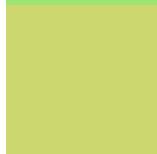


Tritanopia
84, 15.480, 234.285

Trichromacy



Original Color
84, 63.316, 130.777



Protanomaly
83, 53.471, 110.878



Deuteranomaly
83, 46.918, 101.457

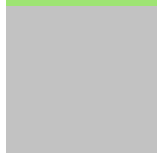


Tritanomaly
84, 24.700, 156.356

Monochromacy



Original Color
84, 63.316, 130.777



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 23.715, 131.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 63.316, 130.777 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(158, 228, 115)` looks like.

```
.text, #text, p{  
    color:rgb(158, 228, 115)  
}
```

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(158, 228, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 228, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 63.316, 130.777 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(158, 228, 115) }
```

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

```
.border{ border-color:rgb(158, 228, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 228, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 228, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 228, 115); box-shadow:4px 4px 4px 4px rgb(158, 228, 115) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 63.316, 130.777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 228, 115) }
```

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

```
.background{ background-color: rgb(158,  
228, 115) }
```

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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