

Converting Colors

CIELCh(84, 56.813, 133.232)

Have a look what the booklet for
CIELCh(84, 56.813, 133.232)
contains.

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Color

CIELCh(84, 56.578, 133.375)

Conversions

Conversions Part 1

Format	Color
Hex	9FE381
RGB	159, 227, 129
RGB Percent	62%, 89%, 51%
CMY	0.3755, 0.1088, 0.4932
CMYK	0.30, 0.00, 0.43, 0.11
HSL	102°, 64%, 70%
HSV	102°, 43%, 89%
XYZ	45.8648, 64.0658, 30.8001
YIQ	195.4960, -9.0700, -44.8940

Conversions

Conversions Part 2

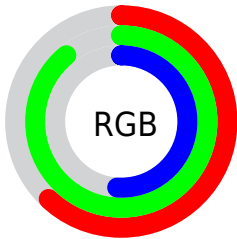
Format	Color
RYB	129, 227, 197
Decimal	10478465
CIELab	84.00, -38.86, 41.13
CIELCh	84, 56.578, 133.375
Yxy	64.0658, 0.3259, 0.4552
Android (android.graphics.Color)	4288668545 (0xFF9FE381)
YUV	195.4960, -32.7825, -32.0070
Hunter-Lab	80.0411, -37.7887, 33.2138

Details

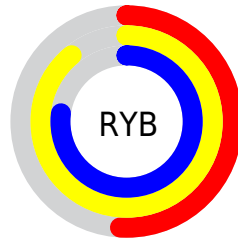
The CIELCh color **84, 56.578, 133.375** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **64, 58.464, 317.377**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 39.240, 129.210**, and **64, 56.353, 133.572** is the 20% darker color. If you saturate the color by 10%, you get **83, 68.860, 132.839**, and if you desaturate by 10%, it is **85, 43.730, 133.933**.

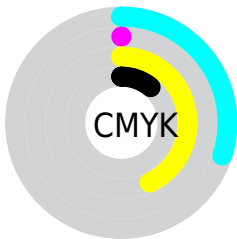
Distribution



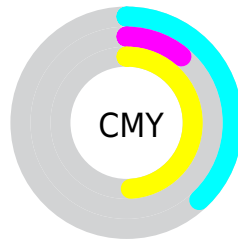
- Red (62%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (77%)



- Cyan (30%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)





- Cyan (38%)
- Magenta (11%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 56.578, 133.375 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, 56.578, 133.375 by changing the saturation by 10% instead.


 84, 56.578,
133.375

 84, 56.578,
133.375


 100, 56.578,
133.375


 74, 56.578,
133.375

 64, 56.578,
133.375

 54, 56.578,
133.375

 44, 56.578,
133.375

 34, 56.578,
133.375

 24, 56.578,
133.375

 14, 56.578,

133.375

■ 4, 56.578, 133.375

■ 0, 56.578, 133.375

■ 84, 56.578,
133.375

■ 84, 56.578,
133.375

■ 83, 68.860,
132.839

■ 85, 43.730,
133.933

■ 82, 80.198,
132.390

■ 87, 30.582,
134.472

■ 81, 90.099,
132.132

■ 88, 17.328,
134.973

■ 81, 97.988,
132.195

■ 90, 4.107, 135.457

■ 92, 8.983, 315.784

■ 80, 103.394,

132.689

93, 17.124,
323.895

80, 105.836,
133.207

93, 17.342,
325.026

Harmonies

Complementary

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



84, 56.578, 133.375



64, 58.464, 317.377

Rectangle

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



84, 56.578, 133.375



84, 56.578, 183.375



84, 56.578, 313.375



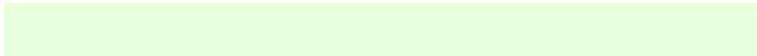
84, 56.578, 3.375

Sweetspot

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



84, 56.579, 133.376



98, 18.834, 134.975



80, 37.684, 86.797



52, 13.188, 134.867



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, 56.579, 133.376



92, 74.083, 132.880



83, 54.684, 146.311



47, 7.543, 135.147



64, 88.129, 133.004



18, 34.178, 133.208

Inverse Universe

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



64, 58.464, 317.377



66, 76.999, 317.707



67, 54.714, 332.743



45, 7.606, 315.919



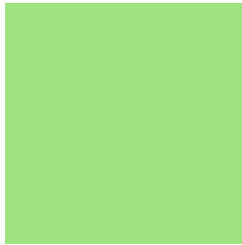
33, 91.719, 317.194



5, 36.713, 317.908

Previews

White Background



This preview shows how the CIELCh color 84, 56.578, 133.375 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, 56.578, 133.375 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, 56.578, 133.375

Background



This preview shows how black text looks on a background with the CIELCh color 84, 56.578, 133.375.

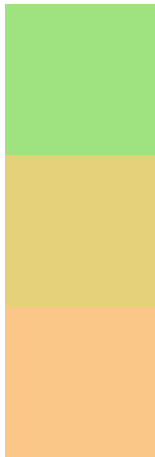


This preview shows how white text looks on a background with the CIELCh color 84, 56.578, 133.375.

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](#).

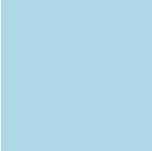
Dichromacy



Original Color
84, 56.578, 133.375

Protanopia
84, 45.685, 95.668

Deuteranopia
84, 39.987, 74.342



Tritanopia
84, 15.480, 234.285

Trichromacy



Original Color
84, 56.578, 133.375



Protanomaly
84, 46.845, 112.131



Deuteranomaly
83, 39.074, 101.310



Tritanomaly
84, 21.700, 162.206

Monochromacy



Original Color
84, 56.578, 133.375



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 20.656, 134.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 56.578, 133.375 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(159, 227, 129)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 129)  
}
```

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(159, 227, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 56.578, 133.375 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(159, 227, 129) }
```

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

```
.border{ border-color:rgb(159, 227, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 227, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 227, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 227, 129);  
box-shadow:4px 4px 4px 4px rgb(159, 227,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 56.578, 133.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 129) }
```

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

```
.background{ background-color: rgb(159,  
227, 129) }
```

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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