

Converting Colors

CIELCh(84, 55.746, 134.760)

Have a look what the booklet for
CIELCh(84, 55.746, 134.760)
contains.

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Color

CIELCh(84, 55.628, 134.700)

Conversions

Conversions Part 1

Format	Color
Hex	9DE384
RGB	157, 227, 132
RGB Percent	62%, 89%, 52%
CMY	0.3826, 0.1081, 0.4808
CMYK	0.31, 0.00, 0.42, 0.11
HSL	104°, 63%, 71%
HSV	104°, 42%, 89%
XYZ	45.7693, 64.0658, 31.9289
YIQ	195.2400, -11.2250, -44.3850

Conversions

Conversions Part 2

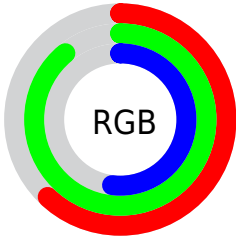
Format	Color
RYB	132, 227, 202
Decimal	10347396
CIELab	84.00, -39.13, 39.54
CIElCh	84, 55.628, 134.700
Yxy	64.0658, 0.3229, 0.4519
Android (android.graphics.Color)	4288537476 (0xFF9DE384)
YUV	195.2400, -31.1773, -33.5365
Hunter-Lab	80.0411, -38.0016, 32.3776

Details

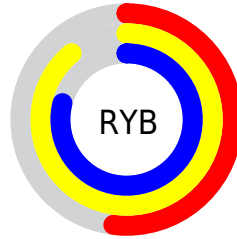
The CIELCh color **84, 55.628, 134.700** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **66, 57.088, 318.669**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 38.156, 131.055**, and **64, 55.440, 134.914** is the 20% darker color. If you saturate the color by 10%, you get **83, 68.163, 134.107**, and if you desaturate by 10%, it is **85, 42.548, 135.295**.

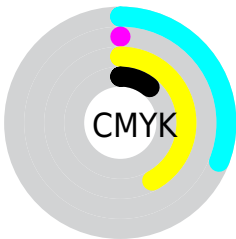
Distribution



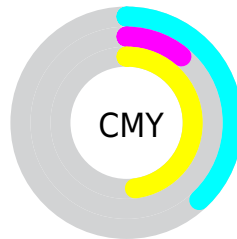
- Red (62%)
- Green (89%)
- Blue (52%)



- Red (52%)
- Yellow (89%)
- Blue (79%)



- Cyan (31%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)





- Cyan (38%)
- Magenta (11%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 55.628, 134.700 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, 55.628, 134.700 by changing the saturation by 10% instead.

 84, 55.628,
134.700

 84, 55.628,
134.700

 100, 55.628,
134.700


 74, 55.628,
134.700

 64, 55.628,
134.700

 54, 55.628,
134.700

 44, 55.628,
134.700

 34, 55.628,
134.700

 24, 55.628,
134.700

 14, 55.628,

134.700

■ 4, 55.628, 134.700

■ 0, 55.628, 134.700

■ 84, 55.628,
134.700

■ 84, 55.628,
134.700

■ 83, 68.163,
134.107

■ 85, 42.548,
135.295

■ 82, 79.778,
133.574

■ 87, 29.189,
135.857

■ 81, 89.984,
133.200

■ 88, 15.747,
136.371

■ 80, 98.202,
133.112

■ 90, 2.364, 136.899

■ 80, 103.923,

■ 92, 10.863,
317.187

133.428

93, 17.228,
325.022

80, 106.862,
133.931

Harmonies

Complementary

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



84, 55.628, 134.700



66, 57.088, 318.669

Rectangle

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



84, 55.628, 134.700



84, 55.628, 184.700



84, 55.628, 314.700



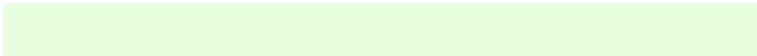
84, 55.628, 4.700

Sweetspot

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



84, 55.629, 134.701



98, 19.071, 136.307



82, 38.008, 90.826



52, 13.355, 136.196



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, 55.629, 134.701



92, 72.363, 134.192



83, 51.147, 148.137



47, 7.637, 136.485



64, 88.946, 133.749



18, 34.559, 134.159

Inverse Universe

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



66, 57.088, 318.669



68, 74.554, 318.977



68, 51.373, 334.605



45, 7.692, 317.270



34, 91.017, 318.572



6, 36.896, 319.398

Previews

White Background



This preview shows how the CIELCh color 84, 55.628, 134.700 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, 55.628, 134.700 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, 55.628, 134.700

Background



This preview shows how black text looks on a background with the CIELCh color 84, 55.628, 134.700.

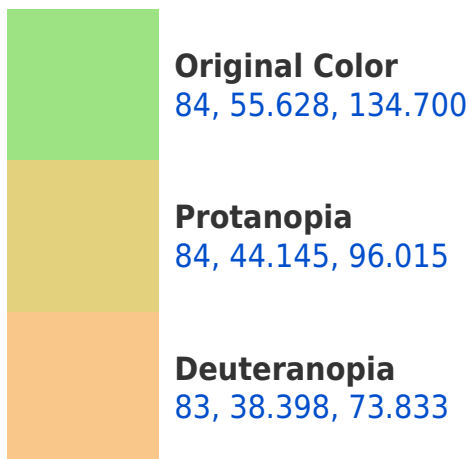


This preview shows how white text looks on a background with the CIELCh color 84, 55.628, 134.700.

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



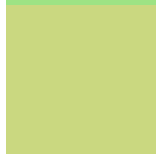


Tritanopia
84, 16.232, 232.335

Trichromacy



Original Color
84, 55.628, 134.700



Protanomaly
84, 45.497, 113.436



Deuteranomaly
83, 37.495, 102.494

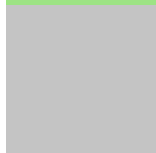


Tritanomaly
84, 22.504, 163.611

Monochromacy



Original Color
84, 55.628, 134.700



Achromatopsia
79, 0.010, 296.813



Achromatomaly
81, 20.358, 136.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 55.628, 134.700 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(157, 227, 132)` looks like.

```
.text, #text, p{  
    color:rgb(157, 227, 132)  
}
```

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(157, 227, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 227, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 55.628, 134.700 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(157, 227, 132) }
```

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

```
.border{ border-color:rgb(157, 227, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 227, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 227, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 227, 132);  
box-shadow:4px 4px 4px 4px rgb(157, 227,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 55.628, 134.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 227, 132) }
```

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

```
.background{ background-color: rgb(157,  
227, 132) }
```

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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