

Converting Colors

CIELCh(84, 64.815, 131.600)

Have a look what the booklet for
CIELCh(84, 64.815, 131.600)
contains.

CIELCh(84, 64.952, 131.756)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(84, 64.952, 131.756)

Conversions

Conversions Part 1

Format	Color
Hex	9AE572
RGB	154, 229, 114
RGB Percent	60%, 90%, 45%
CMY	0.3964, 0.1023, 0.5532
CMYK	0.33, 0.00, 0.50, 0.10
HSL	99°, 69%, 67%
HSV	99°, 50%, 90%
XYZ	44.3385, 64.0658, 25.9250
YIQ	193.4650, -7.7850, -51.6650

Conversions

Conversions Part 2

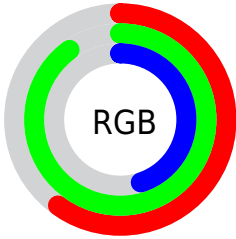
Format	Color
RYB	114, 229, 189
Decimal	10151282
CIELab	84.00, -43.26, 48.45
CIELCh	84, 64.952, 131.756
Yxy	64.0658, 0.3301, 0.4769
Android (android.graphics.Color)	4288341362 (0xFF9AE572)
YUV	193.4650, -39.1762, -34.6108
Hunter-Lab	80.0411, -41.1923, 36.8250

Details

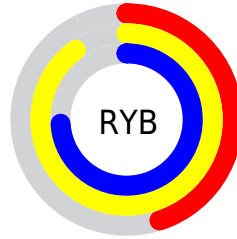
The CIELCh color **84, 64.952, 131.756** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **60, 67.949, 316.343**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 46.855, 127.661**, and **64, 64.964, 131.896** is the 20% darker color. If you saturate the color by 10%, you get **83, 76.547, 131.326**, and if you desaturate by 10%, it is **85, 52.555, 132.266**.

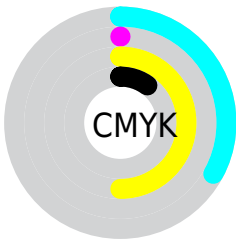
Distribution



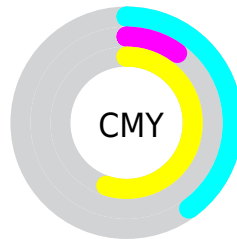
- Red (60%)
- Green (90%)
- Blue (45%)



- Red (45%)
- Yellow (90%)
- Blue (74%)



- Cyan (33%)
- Magenta (0%)
- Yellow (50%)
- Black (10%)



- Cyan (40%)
- Magenta (10%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 64.952, 131.756 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, 64.952, 131.756 by changing the saturation by 10% instead.


 84, 64.952,
131.756

 84, 64.952,
131.756


 100, 64.952,
131.756


 74, 64.952,
131.756

 64, 64.952,
131.756

 54, 64.952,
131.756

 44, 64.952,
131.756

 34, 64.952,
131.756

 24, 64.952,
131.756

 14, 64.952,

131.756

■ 4, 64.952, 131.756

■ 0, 64.952, 131.756

■ 84, 64.952,
131.756

■ 84, 64.952,
131.756

■ 83, 76.547,
131.326

■ 85, 52.555,
132.266

■ 82, 86.882,
131.068

■ 86, 39.685,
132.792

■ 82, 95.400,
131.106

■ 88, 26.581,
133.302

■ 81, 101.575,
131.566

■ 89, 13.411,
133.780

■ 81, 105.370,

■ 91, 0.295, 134.817

132.389

93, 12.683,
314.559

94, 16.299,
324.988

Harmonies

Complementary

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



84, 64.952, 131.756



60, 67.949, 316.343

Rectangle

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



84, 64.952, 131.756



84, 64.952, 181.756



84, 64.952, 311.756



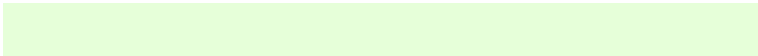
84, 64.952, 1.756

Sweetspot

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



84, 64.953, 131.757



97, 21.489, 133.552



79, 43.287, 83.028



52, 14.668, 133.450



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 64.953, 131.757



91, 83.200, 131.322



82, 65.014, 144.418



47, 7.456, 133.816



64, 87.245, 132.162



18, 33.790, 132.186

Inverse Universe

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



60, 67.949, 316.343



61, 87.688, 316.654



64, 64.675, 331.973



45, 7.527, 314.582



32, 92.456, 315.926



5, 36.509, 316.448

Previews

White Background



This preview shows how the CIELCh color 84, 64.952, 131.756 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, 64.952, 131.756 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, 64.952, 131.756

Background



This preview shows how black text looks on a background with the CIELCh color 84, 64.952, 131.756.



This preview shows how white text looks on a background with the CIELCh color 84, 64.952, 131.756.

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](#).

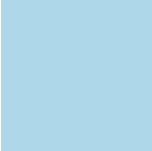
Dichromacy



Original Color
84, 64.952, 131.756

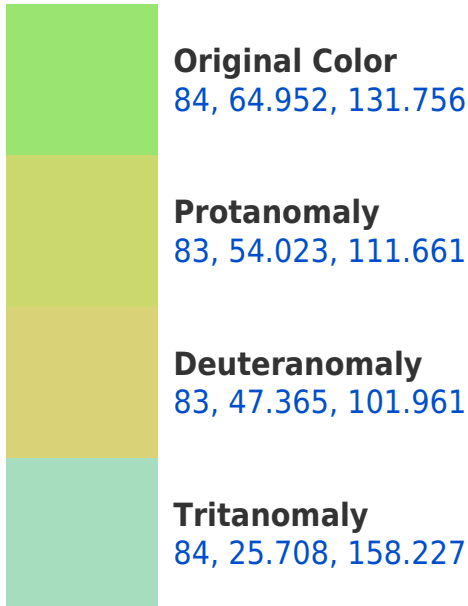
Protanopia
84, 52.882, 95.880

Deuteranopia
84, 47.444, 77.042



Tritanopia
84, 16.488, 231.731

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 64.952, 131.756 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(154, 229, 114)` looks like.

```
.text, #text, p{  
    color:rgb(154, 229, 114)  
}
```

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(154, 229, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 229, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 64.952, 131.756 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(154, 229, 114) }
```

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

```
.border{ border-color:rgb(154, 229, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 229, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 229, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 229, 114);  
box-shadow:4px 4px 4px 4px rgb(154, 229,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 64.952, 131.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 229, 114) }
```

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

```
.background{ background-color: rgb(154,  
229, 114) }
```

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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