

Converting Colors

CIELCh(80, 36.970, 153.799)

Have a look what the booklet for
CIELCh(80, 36.970, 153.799)
contains.

CIELCh(80, 36.611, 154.003)	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(80, 36.611, 154.003)

Conversions

Conversions Part 1

Format	Color
Hex	8CD6A7
RGB	140, 214, 167
RGB Percent	55%, 84%, 65%
CMY	0.4496, 0.1594, 0.3438
CMYK	0.35, 0.00, 0.22, 0.16
HSL	142°, 48%, 70%
HSV	142°, 35%, 84%
XYZ	42.0160, 56.6813, 45.4496
YIQ	186.5160, -29.0170, -30.3050

Conversions

Conversions Part 2

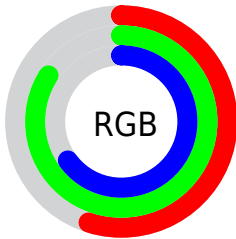
Format	Color
RYB	140, 194, 214
Decimal	9229991
CIELab	80.00, -32.91, 16.05
CIElCh	80, 36.611, 154.003
Yxy	56.6813, 0.2915, 0.3932
Android (android.graphics.Color)	4287420071 (0xFF8CD6A7)
YUV	186.5160, -9.6214, -40.7945
Hunter-Lab	75.2870, -32.1352, 16.9084

Details

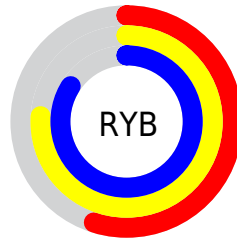
The CIELCh color **80, 36.611, 154.003** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **67, 37.296, 339.799**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.768, 158.590**, and **60, 36.568, 153.880** is the 20% darker color. If you saturate the color by 10%, you get **79, 46.755, 152.827**, and if you desaturate by 10%, it is **81, 26.128, 155.030**.

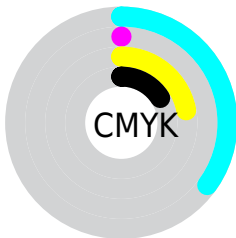
Distribution



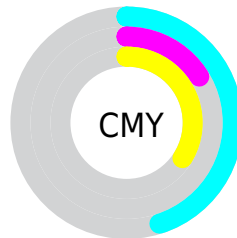
- Red (55%)
- Green (84%)
- Blue (65%)



- Red (55%)
- Yellow (76%)
- Blue (84%)



- Cyan (35%)
- Magenta (0%)
- Yellow (22%)
- Black (16%)





- Cyan (45%)
- Magenta (16%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 36.611, 154.003 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 80, 36.611, 154.003 by changing the saturation by 10% instead.


 80, 36.611,
154.003


 80, 36.611,
154.003


 100, 36.611,
154.003


 70, 36.611,
154.003


 60, 36.611,
154.003

 50, 36.611,
154.003

 40, 36.611,
154.003

 30, 36.611,
154.003

 20, 36.611,
154.003

 10, 36.611,

154.003

■ 0, 36.611, 154.003

■ 80, 36.611,
154.003

■ 80, 36.611,
154.003

■ 79, 46.755,
152.827

■ 81, 26.128,
155.030

■ 78, 56.363,
151.481

■ 83, 15.476,
155.936

■ 77, 65.246,
149.944

■ 85, 4.802, 156.779

■ 76, 73.236,
148.207

■ 87, 5.778, 337.334

■ 76, 80.214,
146.280

■ 89, 16.176,
338.001

■ 90, 23.025,
329.681

■ 75, 86.134,
144.205

■ 90, 25.462,
325.311

■ 75, 89.007,
143.084

Harmonies

Complementary

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



80, 36.611, 154.003



67, 37.296, 339.799

Rectangle

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



80, 36.611, 154.003



80, 36.611, 204.003



80, 36.611, 334.003



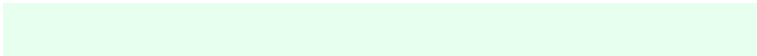
80, 36.611, 24.003

Sweetspot

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



80, 36.612, 154.003



98, 12.245, 156.308



82, 39.720, 121.803



52, 8.359, 156.190



0, 0.000, 0.000



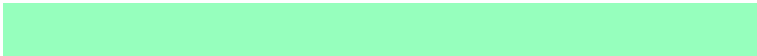
53, 0.007, 296.813

Same Dimension

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



80, 36.612, 154.003



92, 49.742, 153.212



81, 25.480, 184.116



44, 6.031, 156.364



61, 74.558, 143.443



14, 26.203, 148.697

Inverse Universe

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



67, 37.296, 339.799



75, 50.733, 340.464



66, 30.176, 11.082



42, 6.073, 337.677



37, 65.919, 349.760



5, 25.337, 345.019

Previews

White Background



This preview shows how the CIELCh color 80, 36.611, 154.003 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 80, 36.611, 154.003 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 80, 36.611, 154.003

Background



This preview shows how black text looks on a background with the CIELCh color 80, 36.611, 154.003.

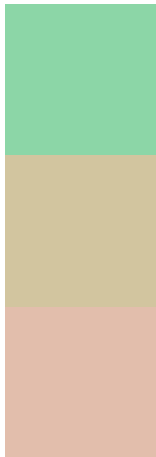


This preview shows how white text looks on a background with the CIELCh color 80, 36.611, 154.003.

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](#).

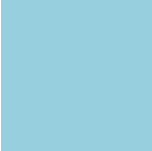
Dichromacy



Original Color
80, 36.611, 154.003

Protanopia
80, 20.784, 93.954

Deuteranopia
80, 17.178, 53.852

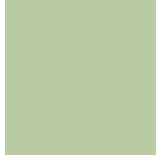


Tritanopia
80, 19.460, 224.446

Trichromacy



Original Color
80, 36.611, 154.003



Protanomaly
79, 22.786, 125.948



Deuteranomaly
79, 15.457, 114.488

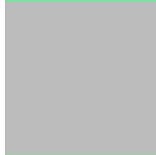


Tritanomaly
80, 21.362, 187.751

Monochromacy



Original Color
80, 36.611, 154.003



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 13.570, 156.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 36.611, 154.003 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(140, 214, 167)` looks like.

```
.text, #text, p{  
    color:rgb(140, 214, 167)  
}
```

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(140, 214, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 214, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 36.611, 154.003 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(140, 214, 167) }
```

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

```
.border{ border-color:rgb(140, 214, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 214, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 214, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 214, 167);  
box-shadow:4px 4px 4px 4px rgb(140, 214,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 36.611, 154.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 214, 167) }
```

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

```
.background{ background-color: rgb(140,  
214, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor