

Converting Colors

CIELCh(80, 50.901, 140.844)

Have a look what the booklet for
CIELCh(80, 50.901, 140.844)
contains.

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Color

CIELCh(80, 50.891, 140.847)

Conversions

Conversions Part 1

Format	Color
Hex	8BD888
RGB	139, 216, 136
RGB Percent	55%, 85%, 53%
CMY	0.4530, 0.1510, 0.4649
CMYK	0.36, 0.00, 0.37, 0.15
HSL	118°, 51%, 69%
HSV	118°, 37%, 85%
XYZ	39.8831, 56.6813, 32.2991
YIQ	183.8570, -20.2120, -41.2040

Conversions

Conversions Part 2

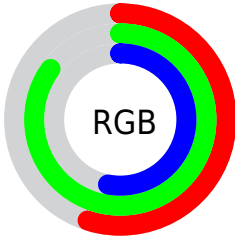
Format	Color
RYB	136, 216, 213
Decimal	9164936
CIELab	80.00, -39.46, 32.13
CIELCh	80, 50.891, 140.847
Yxy	56.6813, 0.3095, 0.4399
Android (android.graphics.Color)	4287355016 (0xFF8BD888)
YUV	183.8570, -23.5935, -39.3396
Hunter-Lab	75.2870, -37.1922, 27.2647

Details

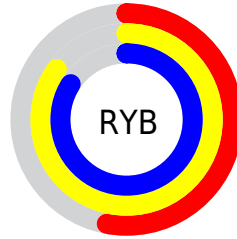
The CIELCh color **80, 50.891, 140.847** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **67, 50.961, 325.324**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 39.744, 140.807**, and **60, 51.108, 140.754** is the 20% darker color. If you saturate the color by 10%, you get **79, 63.949, 139.900**, and if you desaturate by 10%, it is **81, 37.286, 141.694**.

Distribution



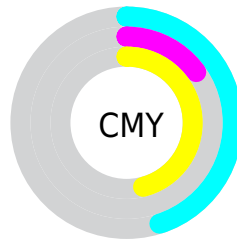
- Red (55%)
- Green (85%)
- Blue (53%)



- Red (53%)
- Yellow (85%)
- Blue (84%)



- Cyan (36%)
- Magenta (0%)
- Yellow (37%)
- Black (15%)





- Cyan (45%)
- Magenta (15%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 50.891, 140.847 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, 50.891, 140.847 by changing the saturation by 10% instead.


 80, 50.891,
140.847

 80, 50.891,
140.847


 100, 50.891,
140.847


 70, 50.891,
140.847

 60, 50.891,
140.847

 50, 50.891,
140.847

 40, 50.891,
140.847

 30, 50.891,
140.847

 20, 50.891,
140.847

 10, 50.891,

140.847

■ 0, 50.891, 140.847

■ 80, 50.891,
140.847

■ 80, 50.891,
140.847

■ 79, 63.949,
139.900

■ 81, 37.286,
141.694

■ 78, 76.063,
138.882

■ 83, 23.435,
142.432

■ 77, 86.752,
137.860

■ 85, 9.571, 143.078

■ 76, 95.454,
136.950

■ 87, 4.138, 323.521

■ 76, 101.621,
136.292

■ 89, 17.573,
324.023

■ 91, 24.120,
325.264

■ 76,104.989,
135.981

■ 76,105.666,
135.888

Harmonies

Complementary

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



80, 50.891, 140.847



67, 50.961, 325.324

Rectangle

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



80, 50.891, 140.847



80, 50.891, 190.847



80, 50.891, 320.847



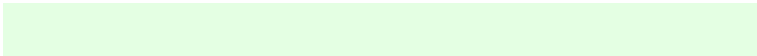
80, 50.891, 10.847

Sweetspot

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



80, 50.892, 140.847



97, 17.299, 142.820



84, 39.340, 104.357



52, 11.633, 142.732



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, 50.892, 140.847



92, 68.657, 140.151



81, 36.838, 157.566



44, 7.740, 142.926



61, 88.515, 135.844



14, 31.795, 140.365

Inverse Universe

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



67, 50.961, 325.324



74, 68.652, 325.667



66, 38.094, 344.433



42, 7.756, 323.904



39, 85.763, 326.757



6, 32.726, 326.715

Previews

White Background



This preview shows how the CIELCh color 80, 50.891, 140.847 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, 50.891, 140.847 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, 50.891, 140.847

Background



This preview shows how black text looks on a background with the CIELCh color 80, 50.891, 140.847.

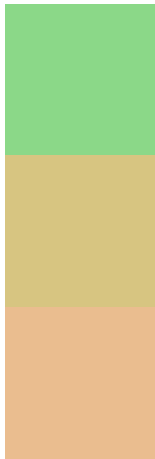


This preview shows how white text looks on a background with the CIELCh color 80, 50.891, 140.847.

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](#).

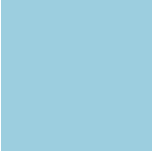
Dichromacy



Original Color
80, 50.891, 140.847

Protanopia
80, 36.528, 95.067

Deuteranopia
80, 31.028, 71.100

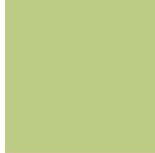


Tritanopia
80, 18.365, 228.155

Trichromacy



Original Color
80, 50.891, 140.847



Protanomaly
79, 38.131, 116.532



Deuteranomaly
79, 30.520, 106.615

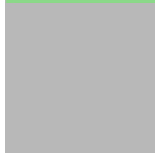


Tritanomaly
80, 23.133, 173.164

Monochromacy



Original Color
80, 50.891, 140.847



Achromatopsia
75, 0.009, 296.813



Achromatomaly
76, 18.848, 142.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 50.891, 140.847 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(139, 216, 136)` looks like.

```
.text, #text, p{  
    color:rgb(139, 216, 136)  
}
```

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(139, 216, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 216, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 50.891, 140.847 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(139, 216, 136) }
```

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

```
.border{ border-color:rgb(139, 216, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 216, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 216, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 216, 136);  
box-shadow:4px 4px 4px 4px rgb(139, 216,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 50.891, 140.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 216, 136) }
```

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

```
.background{ background-color: rgb(139,  
216, 136) }
```

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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