

Converting Colors

CIELCh(80, 42.681, 136.525)

Have a look what the booklet for
CIELCh(80, 42.681, 136.525)
contains.

CIELCh(80, 42.784, 136.306)	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, 42.784, 136.306)

Conversions

Conversions Part 1

Format	Color
Hex	9ED58E
RGB	158, 213, 142
RGB Percent	62%, 84%, 56%
CMY	0.3812, 0.1655, 0.4439
CMYK	0.26, 0.00, 0.33, 0.17
HSL	106°, 46%, 70%
HSV	106°, 33%, 83%
XYZ	42.6721, 56.6813, 34.2074
YIQ	188.4610, -9.9890, -33.7410

Conversions

Conversions Part 2

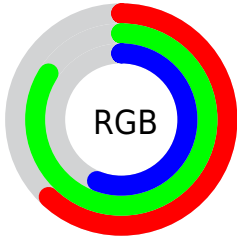
Format	Color
RYB	142, 213, 197
Decimal	10409358
CIELab	80.00, -30.93, 29.56
CIELCh	80, 42.784, 136.306
Yxy	56.6813, 0.3195, 0.4244
Android (android.graphics.Color)	4288599438 (0xFF9ED58E)
YUV	188.4610, -22.9053, -26.7143
Hunter-Lab	75.2870, -30.5798, 25.7618

Details

The CIELCh color $80, 42.784, 136.306$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $66, 43.532, 319.503$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 33.595, 134.497$, and $60, 42.691, 136.233$ is the 20% darker color. If you saturate the color by 10%, you get $79, 55.262, 135.671$, and if you desaturate by 10%, it is $81, 30.003, 136.902$.

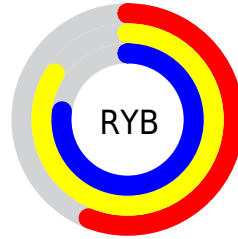
Distribution



Red (62%)

Green (84%)

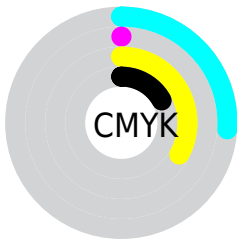
Blue (56%)



Red (56%)

Yellow (84%)

Blue (77%)

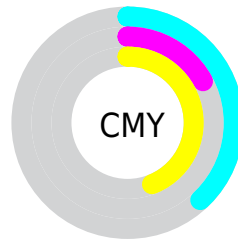


Cyan (26%)

Magenta (0%)

Yellow (33%)

Black (17%)



Cyan (38%)


Magenta (17%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 42.784, 136.306 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, 42.784, 136.306 by changing the saturation by 10% instead.


 80, 42.784,
136.306


 80, 42.784,
136.306


 100, 42.784,
136.306


 70, 42.784,
136.306

 60, 42.784,
136.306

 50, 42.784,
136.306

 40, 42.784,
136.306

 30, 42.784,
136.306

 20, 42.784,
136.306

 10, 42.784,

136.306

■ 0, 42.784, 136.306

■ 80, 42.784,
136.306

■ 80, 42.784,
136.306

■ 79, 55.262,
135.671

■ 81, 30.003,
136.902

■ 78, 67.154,
135.029

■ 83, 17.118,
137.444

■ 77, 78.090,
134.445

■ 85, 4.276, 137.955

■ 76, 87.583,
134.017

■ 86, 8.419, 318.294

■ 76, 95.077,
133.874

■ 88, 20.892,
318.666

■ 90, 26.445,
325.345

■ 75,100.119,
134.126

■ 75,102.297,
134.429

Harmonies

Complementary

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



80, 42.784, 136.306



66, 43.532, 319.503

Rectangle

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



80, 42.784, 136.306



80, 42.784, 186.306



80, 42.784, 316.306



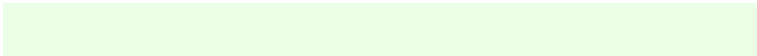
80, 42.784, 6.306

Sweetspot

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



80, 42.786, 136.307



98, 14.816, 137.609



79, 29.551, 94.296



52, 10.116, 137.537



0, 0.000, 0.000



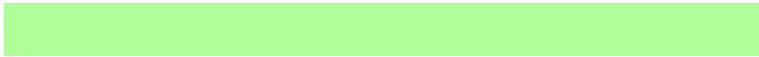
53, 0.007, 296.813

Same Dimension

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



80, 42.786, 136.307



93, 59.185, 135.861



79, 37.963, 150.259



44, 7.297, 137.643



61, 86.684, 134.274



14, 30.160, 136.594

Inverse Universe

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



66, 43.532, 319.503



74, 60.397, 319.792



67, 38.280, 335.312



42, 7.342, 318.441



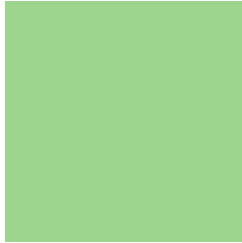
34, 87.554, 319.873



5, 31.301, 319.722

Previews

White Background



This preview shows how the CIELCh color 80, 42.784, 136.306 looks on a white background.

Color Contrast Check

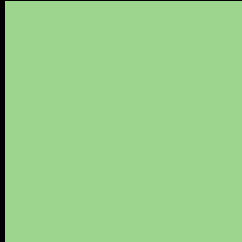
Large Text (above 18pt) WCAG AA × Fail

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, 42.784, 136.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

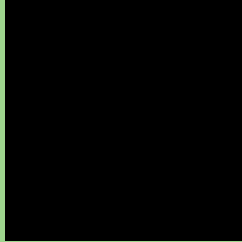
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 42.784, 136.306

Background



This preview shows how black text looks on a background with the CIELCh color 80, 42.784, 136.306.



This preview shows how white text looks on a background with the CIELCh color 80, 42.784, 136.306.

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](#).

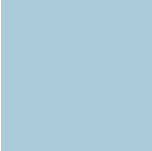
Dichromacy



Original Color
80, 42.784, 136.306

Protanopia
80, 33.800, 95.890

Deuteranopia
80, 29.014, 69.596



Tritanopia
80, 13.549, 237.994

Trichromacy



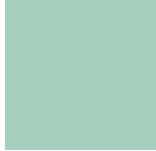
Original Color
80, 42.784, 136.306



Protanomaly
80, 34.726, 113.048



Deuteranomaly
79, 28.142, 101.009

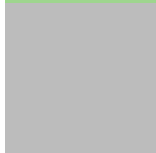


Tritanomaly
80, 17.074, 168.190

Monochromacy



Original Color
80, 42.784, 136.306



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 15.855, 137.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 42.784, 136.306 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(158, 213, 142)` looks like.

```
.text, #text, p{  
    color:rgb(158, 213, 142)  
}
```

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(158, 213, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 213, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 42.784, 136.306 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(158, 213, 142) }
```

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

```
.border{ border-color:rgb(158, 213, 142) }
```

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

Here you see how a box with a 4 pixel rgb(158, 213, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 213, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 213, 142);  
box-shadow:4px 4px 4px 4px rgb(158, 213,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 42.784, 136.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 213, 142) }
```

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

```
.background{ background-color: rgb(158,  
213, 142) }
```

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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