

Converting Colors

CIELCh(80, 41.812, 135.410)

Have a look what the booklet for
CIELCh(80, 41.812, 135.410)
contains.

CIELCh(80, 41.812, 135.410)	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, 41.812, 135.410)

Conversions

Conversions Part 1

Format	Color
Hex	A0D48E
RGB	160, 212, 142
RGB Percent	63%, 83%, 56%
CMY	0.3715, 0.1676, 0.4422
CMYK	0.25, 0.00, 0.33, 0.17
HSL	105°, 45%, 70%
HSV	105°, 33%, 83%
XYZ	43.0605, 56.6813, 34.3603
YIQ	188.4720, -8.5220, -32.7940

Conversions

Conversions Part 2

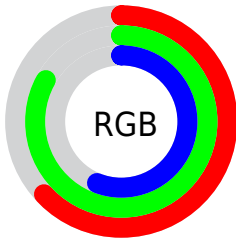
Format	Color
RYB	142, 212, 194
Decimal	10540174
CIELab	80.00, -29.78, 29.35
CIELCh	80, 41.812, 135.410
Yxy	56.6813, 0.3211, 0.4227
Android (android.graphics.Color)	4288730254 (0xFFA0D48E)
YUV	188.4720, -22.9107, -24.9699
Hunter-Lab	75.2870, -29.6589, 25.6415

Details

The CIELCh color **80, 41.812, 135.410** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **66, 42.668, 318.493**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 33.263, 133.431**, and **60, 41.684, 135.339** is the 20% darker color. If you saturate the color by 10%, you get **79, 54.164, 134.811**, and if you desaturate by 10%, it is **81, 29.177, 135.979**.

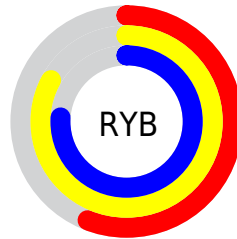
Distribution



Red (63%)

Green (83%)

Blue (56%)



Red (56%)

Yellow (83%)

Blue (76%)

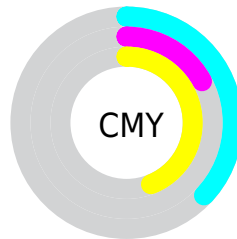


Cyan (25%)

Magenta (0%)

Yellow (33%)

Black (17%)



Cyan (37%)


Magenta (17%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 41.812, 135.410 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, 41.812, 135.410 by changing the saturation by 10% instead.


 80, 41.812,
135.410


 80, 41.812,
135.410


 100, 41.812,
135.410


 70, 41.812,
135.410

 60, 41.812,
135.410

 50, 41.812,
135.410

 40, 41.812,
135.410

 30, 41.812,
135.410

 20, 41.812,
135.410

 10, 41.812,

135.410

■ 0, 41.812, 135.410

■ 80, 41.812,
135.410

■ 80, 41.812,
135.410

■ 79, 54.164,
134.811

■ 81, 29.177,
135.979

■ 78, 65.963,
134.214

■ 83, 16.445,
136.500

■ 77, 76.853,
133.683

■ 84, 3.756, 137.000

■ 76, 86.361,
133.319

■ 86, 8.792, 317.327

■ 76, 93.939,
133.247

■ 88, 21.132,
317.690

■ 90, 26.752,
325.270

■ 75, 99.129,
133.581

■ 90, 26.777,
325.357

■ 75, 101.515,
133.977

Harmonies

Complementary

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



80, 41.812, 135.410



66, 42.668, 318.493

Rectangle

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



80, 41.812, 135.410



80, 41.812, 185.410



80, 41.812, 315.410



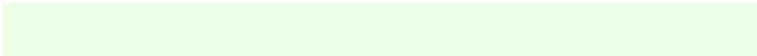
80, 41.812, 5.410

Sweetspot

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



80, 41.814, 135.411



98, 14.676, 136.642



79, 28.289, 92.004



52, 10.020, 136.572



0, 0.000, 0.000



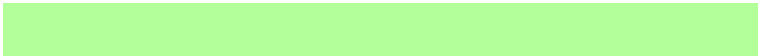
53, 0.007, 296.813

Same Dimension

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



80, 41.814, 135.411



93, 58.608, 134.966



79, 38.424, 149.101



44, 7.228, 136.675



61, 86.170, 133.807



15, 29.906, 135.928

Inverse Universe

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



66, 42.668, 318.493



74, 60.048, 318.798



68, 38.655, 333.937



42, 7.279, 317.456



33, 88.008, 318.800



4, 31.025, 318.459

Previews

White Background



This preview shows how the CIELCh color 80, 41.812, 135.410 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 CIE LCh color 80, 41.812, 135.410 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, 41.812, 135.410

Background



This preview shows how black text looks on a background with the CIELCh color 80, 41.812, 135.410.



This preview shows how white text looks on a background with the CIELCh color 80, 41.812, 135.410.

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, 41.812, 135.410

Protanopia
80, 33.294, 95.780

Deuteranopia
80, 29.146, 70.794



Tritanopia
80, 13.057, 239.797

Trichromacy



Original Color
80, 41.812, 135.410



Protanomaly
80, 34.219, 113.176



Deuteranomaly
79, 28.193, 100.189

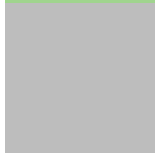


Tritanomaly
80, 15.905, 168.054

Monochromacy



Original Color
80, 41.812, 135.410



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 15.021, 135.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 41.812, 135.410 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(160, 212, 142)` looks like.

```
.text, #text, p{  
    color:rgb(160, 212, 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(160, 212, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 212, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 41.812, 135.410 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(160, 212, 142) }
```

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

```
.border{ border-color:rgb(160, 212, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 212, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 212, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 212, 142);  
box-shadow:4px 4px 4px 4px rgb(160, 212,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 41.812, 135.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 212, 142) }
```

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

```
.background{ background-color: rgb(160,  
212, 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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