

Converting Colors

CIELCh(82, 50.032, 165.236)

Have a look what the booklet for
CIELCh(82, 50.032, 165.236)
contains.

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Color

CIELCh(82, 50.190, 164.947)

Conversions

Conversions Part 1

Format	Color
Hex	5BE3B2
RGB	91, 227, 178
RGB Percent	36%, 89%, 70%
CMY	0.6437, 0.1103, 0.3024
CMYK	0.60, 0.00, 0.22, 0.11
HSL	158°, 71%, 62%
HSV	158°, 60%, 89%
XYZ	39.7608, 60.2982, 51.6017
YIQ	180.7500, -65.3270, -44.0710

Conversions

Conversions Part 2

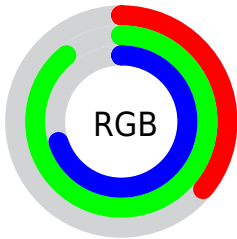
Format	Color
RYB	91, 174, 227
Decimal	6022066
CIELab	82.00, -48.47, 13.03
CIElCh	82, 50.190, 164.947
Yxy	60.2982, 0.2622, 0.3976
Android (android.graphics.Color)	4284212146 (0xFF5BE3B2)
YUV	180.7500, -1.3558, -78.7108
Hunter-Lab	77.6519, -44.4919, 14.9566

Details

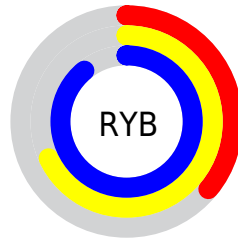
The CIELCh color **82, 50.190, 164.947** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **58, 57.261, 0.522**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.790, 179.003**, and **62, 50.242, 164.543** is the 20% darker color. If you saturate the color by 10%, you get **81, 56.464, 163.276**, and if you desaturate by 10%, it is **83, 43.087, 166.434**.

Distribution



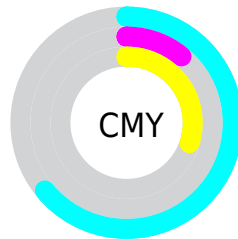
- Red (36%)
- Green (89%)
- Blue (70%)



- Red (36%)
- Yellow (68%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)





- Cyan (64%)
- Magenta (11%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 50.190, 164.947 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 82, 50.190, 164.947 by changing the saturation by 10% instead.


 82, 50.190,
164.947


 82, 50.190,
164.947


 100, 50.190,
164.947

 72, 50.190,
164.947

 62, 50.190,
164.947

 52, 50.190,
164.947

 42, 50.190,
164.947

 32, 50.190,
164.947

 22, 50.190,
164.947

 12, 50.190,

164.947

■ 2, 50.190, 164.947

■ 0, 50.190, 164.947

■ 82, 50.190,
164.947

■ 82, 50.190,
164.947

■ 81, 56.464,
163.276

■ 83, 43.087,
166.434

■ 81, 61.835,
161.401

■ 84, 35.276,
167.763

■ 80, 66.306,
159.316

■ 85, 26.907,
168.961

■ 80, 70.048,
157.079

■ 87, 18.134,
170.052

■ 80, 70.066,

■ 88, 9.105, 171.069

157.068

■ 90, 0.053, 342.442

■ 92, 9.232, 352.723

■ 93, 13.121,
340.275

■ 93, 16.115,
328.726

Harmonies

Complementary

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



82, 50.190, 164.947



58, 57.261, 0.522

Rectangle

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



82, 50.190, 164.947



82, 50.190, 214.947



82, 50.190, 344.947



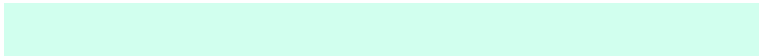
82, 50.190, 34.947

Sweetspot

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



82, 50.191, 164.946



97, 18.017, 170.242



83, 75.266, 130.779



51, 12.487, 169.937



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 50.191, 164.946



90, 63.248, 162.824



78, 33.605, 214.245



46, 5.151, 171.120



64, 57.520, 157.484



17, 21.982, 161.811

Inverse Universe

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



58, 57.261, 0.522



60, 72.860, 4.046



60, 54.629, 35.623



44, 5.266, 352.750



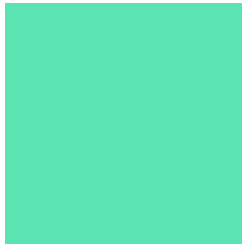
37, 64.779, 15.287



6, 25.518, 4.247

Previews

White Background



This preview shows how the CIELCh color 82, 50.190, 164.947 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 82, 50.190, 164.947 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 82, 50.190, 164.947

Background



This preview shows how black text looks on a background with the CIELCh color 82, 50.190, 164.947.

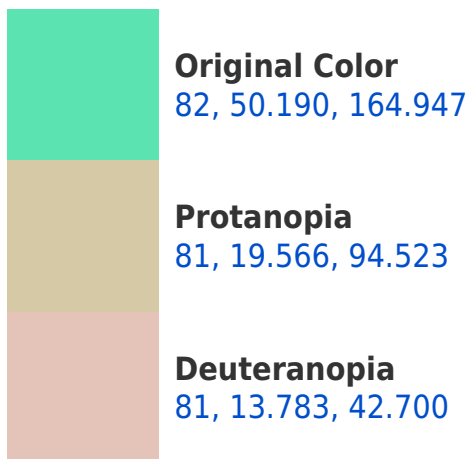


This preview shows how white text looks on a background with the CIELCh color 82, 50.190, 164.947.

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





Tritanopia
82, 31.989, 214.977

Trichromacy



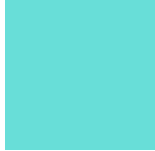
Original Color
82, 50.190, 164.947



Protanomaly
81, 26.839, 143.802



Deuteranomaly
80, 17.137, 147.565

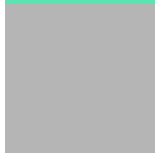


Tritanomaly
82, 35.349, 191.774

Monochromacy



Original Color
82, 50.190, 164.947



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 20.439, 169.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 50.190, 164.947 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(91, 227, 178)` looks like.

```
.text, #text, p{  
    color:rgb(91, 227, 178)  
}
```

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(91, 227, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 227, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 50.190, 164.947 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(91, 227, 178) }
```

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

```
.border{ border-color:rgb(91, 227, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 227, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 227, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 227, 178);  
box-shadow:4px 4px 4px 4px rgb(91, 227,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 50.190, 164.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 227, 178) }
```

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

```
.background{ background-color: rgb(91, 227,  
178) }
```

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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