

Converting Colors

CIELCh(82, 47.063, 166.848)

Have a look what the booklet for
CIELCh(82, 47.063, 166.848)
contains.

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Color

CIELCh(82, 47.255, 166.659)

Conversions

Conversions Part 1

Format	Color
Hex	61E2B6
RGB	97, 226, 182
RGB Percent	38%, 89%, 71%
CMY	0.6197, 0.1138, 0.2863
CMYK	0.57, 0.00, 0.19, 0.11
HSL	160°, 69%, 63%
HSV	160°, 57%, 89%
XYZ	40.5597, 60.2982, 53.7464
YIQ	182.4130, -62.7600, -41.0320

Conversions

Conversions Part 2

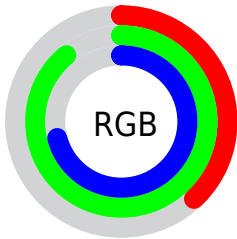
Format	Color
RYB	97, 175, 226
Decimal	6415030
CIELab	82.00, -45.98, 10.90
CIELCh	82, 47.255, 166.659
Yxy	60.2982, 0.2623, 0.3900
Android (android.graphics.Color)	4284605110 (0xFF61E2B6)
YUV	182.4130, -0.2036, -74.9072
Hunter-Lab	77.6519, -42.6554, 13.3190

Details

The CIELCh color **82, 47.255, 166.659** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **59, 54.369, 1.256**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.655, 181.715**, and **62, 47.389, 166.519** is the 20% darker color. If you saturate the color by 10%, you get **81, 53.575, 165.059**, and if you desaturate by 10%, it is **83, 40.133, 168.085**.

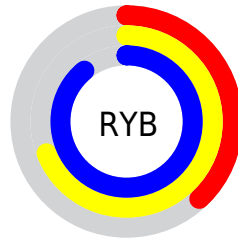
Distribution



Red (38%)

Green (89%)

Blue (71%)



Red (38%)

Yellow (69%)

Blue (89%)

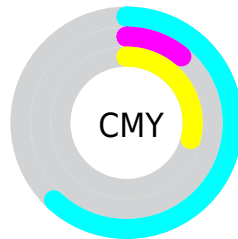


Cyan (57%)

Magenta (0%)

Yellow (19%)

Black (11%)



Cyan (62%)


Magenta (11%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 47.255, 166.659 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, 47.255, 166.659 by changing the saturation by 10% instead.


 82, 47.255,
166.659


 82, 47.255,
166.659


 100, 47.255,
166.659


 72, 47.255,
166.659

 62, 47.255,
166.659

 52, 47.255,
166.659

 42, 47.255,
166.659

 32, 47.255,
166.659

 22, 47.255,
166.659

 12, 47.255,

166.659

■ 2, 47.255, 166.659

■ 0, 47.255, 166.659

■ 82, 47.255,
166.659

■ 82, 47.255,
166.659

■ 81, 53.575,
165.059

■ 83, 40.133,
168.085

■ 81, 59.004,
163.265

■ 84, 32.335,
169.367

■ 80, 63.527,
161.263

■ 85, 24.013,
170.528

■ 80, 67.223,
159.067

■ 87, 15.318,
171.594

■ 80, 68.226,

■ 89, 6.391, 172.610

158.426

■ 90, 2.646, 353.239

■ 92, 11.638,
354.088

■ 93, 13.792,
339.062

■ 93, 16.645,
328.718

Harmonies

Complementary

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



82, 47.255, 166.659



59, 54.369, 1.256

Rectangle

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



82, 47.255, 166.659



82, 47.255, 216.659



82, 47.255, 346.659



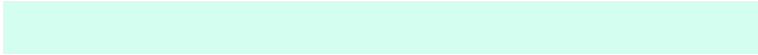
82, 47.255, 36.659

Sweetspot

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



82, 47.256, 166.658



97, 16.811, 171.591



82, 72.204, 131.384



51, 11.224, 171.381



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, 47.256, 166.658



90, 60.202, 164.651



78, 32.163, 216.398



46, 5.089, 172.368



64, 56.198, 158.832



17, 21.543, 163.103

Inverse Universe

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



59, 54.369, 1.256



61, 70.431, 4.602



61, 50.792, 36.446



44, 5.211, 354.008



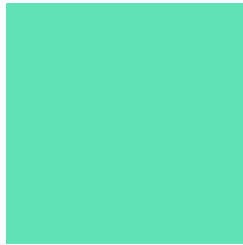
37, 65.185, 17.097



6, 25.456, 5.389

Previews

White Background



This preview shows how the CIE LCh color 82, 47.255, 166.659 looks on a white background.

Color Contrast Check

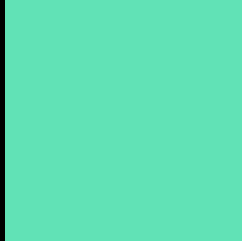
Large Text (above 18pt) WCAG AA × Fail

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, 47.255, 166.659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

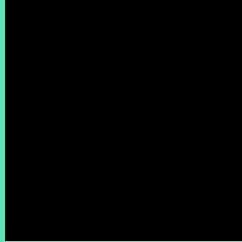
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

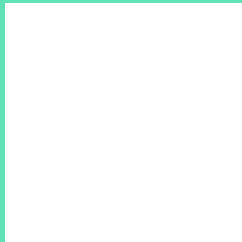
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 47.255, 166.659

Background



This preview shows how black text looks on a background with the CIELCh color 82, 47.255, 166.659.

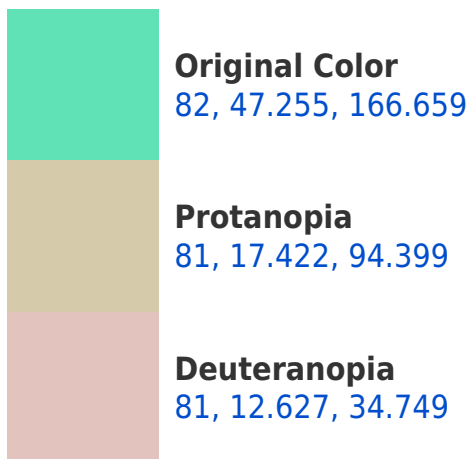


This preview shows how white text looks on a background with the CIELCh color 82, 47.255, 166.659.

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, 31.134, 214.476

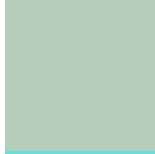
Trichromacy



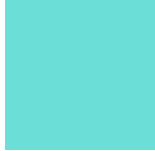
Original Color
82, 47.255, 166.659



Protanomaly
81, 24.668, 145.299



Deuteranomaly
80, 14.369, 150.792

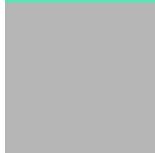


Tritanomaly
82, 34.512, 191.705

Monochromacy



Original Color
82, 47.255, 166.659



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 18.980, 170.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 47.255, 166.659 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(97, 226, 182)` looks like.

```
.text, #text, p{  
    color:rgb(97, 226, 182)  
}
```

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(97, 226, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 226, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 47.255, 166.659 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(97, 226, 182) }
```

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

```
.border{ border-color:rgb(97, 226, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 226, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 226, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 226, 182);  
box-shadow:4px 4px 4px 4px rgb(97, 226,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 47.255, 166.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 226, 182) }
```

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

```
.background{ background-color: rgb(97, 226,  
182) }
```

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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