

Converting Colors

CIELCh(85, 30.129, 173.376)

Have a look what the booklet for
CIELCh(85, 30.129, 173.376)
contains.

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Color

CIElCh(85, 29.981, 173.490)

Conversions

Conversions Part 1

Format	Color
Hex	93E4CD
RGB	147, 228, 205
RGB Percent	58%, 89%, 80%
CMY	0.4240, 0.1064, 0.1966
CMYK	0.36, 0.00, 0.10, 0.11
HSL	163°, 60%, 73%
HSV	163°, 36%, 89%
XYZ	50.7206, 66.0070, 67.7433
YIQ	201.1590, -40.8930, -24.3250

Conversions

Conversions Part 2

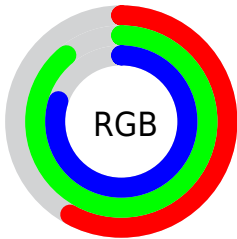
Format	Color
RYB	147, 194, 228
Decimal	9692365
CIELab	85.00, -29.79, 3.40
CIELCh	85, 29.981, 173.490
Yxy	66.0070, 0.2750, 0.3578
Android (android.graphics.Color)	4287882445 (0xFF93E4CD)
YUV	201.1590, 1.8936, -47.4974
Hunter-Lab	81.2447, -30.7417, 7.4342

Details

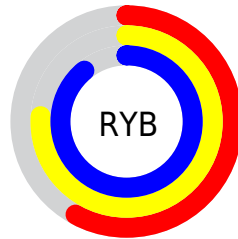
The CIELCh color **85, 29.981, 173.490** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **70, 33.577, 1.268**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.181, 198.366**, and **65, 29.903, 173.836** is the 20% darker color. If you saturate the color by 10%, you get **84, 37.450, 172.264**, and if you desaturate by 10%, it is **86, 21.966, 174.610**.

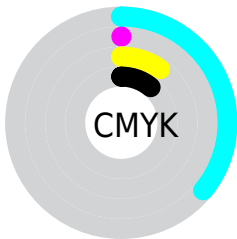
Distribution



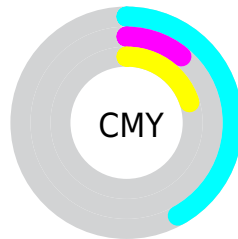
- Red (58%)
- Green (89%)
- Blue (80%)



- Red (58%)
- Yellow (76%)
- Blue (89%)



- Cyan (36%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (42%)
- Magenta (11%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 29.981, 173.490 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 85, 29.981, 173.490 by changing the saturation by 10% instead.

 85, 29.981,
173.490

 85, 29.981,
173.490


 100, 29.981,
173.490


 75, 29.981,
173.490

 65, 29.981,
173.490

 55, 29.981,
173.490

 45, 29.981,
173.490

 35, 29.981,
173.490

 25, 29.981,
173.490

 15, 29.981,

173.490

■ 5, 29.981, 173.490

■ 0, 29.981, 173.490

■ 85, 29.981,
173.490

■ 85, 29.981,
173.490

■ 84, 37.450,
172.264

■ 86, 21.966,
174.610

■ 83, 44.224,
170.913

■ 88, 13.551,
175.655

■ 82, 50.177,
169.410

■ 90, 4.874, 176.684

■ 82, 55.224,
167.731

■ 91, 3.944, 357.339

■ 93, 10.876,
353.898

■ 81, 59.343,

165.856

93, 12.658,
340.217

81, 62.601,
163.785

93, 14.990,
330.411

81, 63.887,
162.840

93, 16.957,
325.012

Harmonies

Complementary

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



85, 29.981, 173.490



70, 33.577, 1.268

Rectangle

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



85, 29.981, 173.490



85, 29.981, 223.490



85, 29.981, 353.490



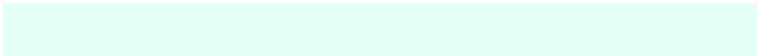
85, 29.981, 43.490

Sweetspot

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



85, 29.982, 173.488



98, 10.551, 176.108



85, 47.058, 133.985



52, 7.080, 175.970



0, 0.000, 0.000



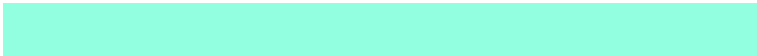
53, 0.007, 296.813

Same Dimension

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



85, 29.982, 173.488



93, 38.982, 172.553



81, 21.983, 221.329



47, 5.008, 176.271



65, 52.917, 163.214



18, 21.002, 167.021

Inverse Universe

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



70, 33.577, 1.268



73, 44.792, 2.586



73, 28.327, 39.321



45, 5.155, 357.926



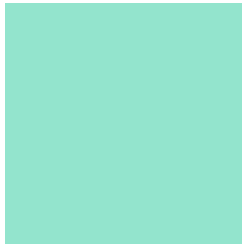
37, 67.572, 22.389



7, 26.647, 9.378

Previews

White Background



This preview shows how the CIE LCh color 85, 29.981, 173.490 looks on a white background.

Color Contrast Check

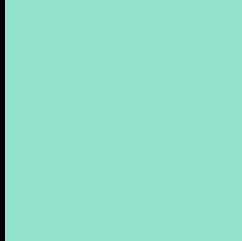
Large Text (above 18pt) WCAG AA × Fail

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 85, 29.981, 173.490 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

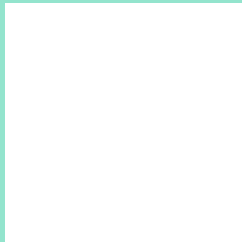
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 29.981, 173.490

Background



This preview shows how black text looks on a background with the CIELCh color 85, 29.981, 173.490.

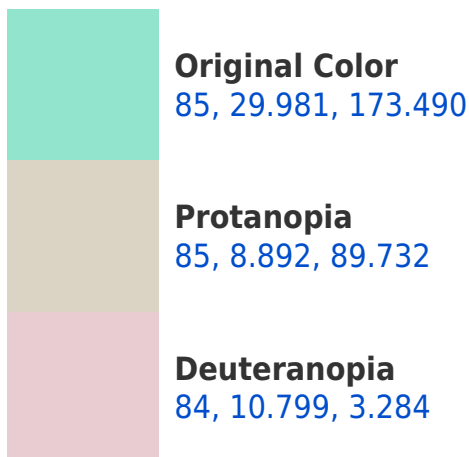


This preview shows how white text looks on a background with the CIELCh color 85, 29.981, 173.490.

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
85, 22.990, 222.629

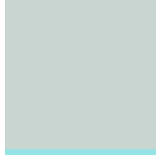
Trichromacy



Original Color
85, 29.981, 173.490



Protanomaly
85, 12.941, 151.609



Deuteranomaly
84, 5.088, 167.998

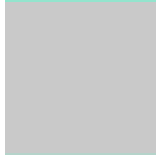


Tritanomaly
85, 23.475, 201.732

Monochromacy



Original Color
85, 29.981, 173.490



Achromatopsia
81, 0.010, 296.813



Achromatomaly
82, 11.774, 174.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 29.981, 173.490 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(147, 228, 205)` looks like.

```
.text, #text, p{  
    color:rgb(147, 228, 205)  
}
```

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(147, 228, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 228, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 29.981, 173.490 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(147, 228, 205) }
```

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

```
.border{ border-color:rgb(147, 228, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 228, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 228, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 228, 205); box-shadow:4px 4px 4px 4px rgb(147, 228, 205) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 29.981, 173.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 228, 205) }
```

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

```
.background{ background-color: rgb(147,  
228, 205) }
```

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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