

Converting Colors

CIELCh(84, 40.508, 174.239)

Have a look what the booklet for
CIELCh(84, 40.508, 174.239)
contains.

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Color

CIELCh(84, 40.456, 174.388)

Conversions

Conversions Part 1

Format	Color
Hex	70E6C9
RGB	112, 230, 201
RGB Percent	44%, 90%, 79%
CMY	0.5619, 0.0991, 0.2128
CMYK	0.51, 0.00, 0.13, 0.10
HSL	165°, 70%, 67%
HSV	165°, 51%, 90%
XYZ	45.3733, 64.0658, 65.0641
YIQ	191.4120, -61.0190, -34.0350

Conversions

Conversions Part 2

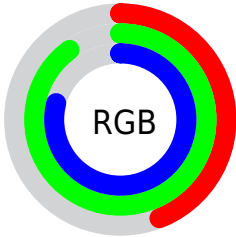
Format	Color
RYB	112, 179, 230
Decimal	7399113
CIELab	84.00, -40.26, 3.96
CIELCh	84, 40.456, 174.388
Yxy	64.0658, 0.2600, 0.3671
Android (android.graphics.Color)	4285589193 (0xFF70E6C9)
YUV	191.4120, 4.7269, -69.6443
Hunter-Lab	80.0411, -38.8848, 7.8329

Details

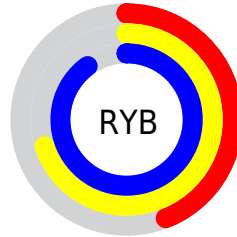
The CIELCh color **84, 40.456, 174.388** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **62, 48.968, 7.103**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.483, 197.785**, and **64, 40.530, 174.195** is the 20% darker color. If you saturate the color by 10%, you get **83, 46.461, 173.015**, and if you desaturate by 10%, it is **85, 33.650, 175.632**.

Distribution



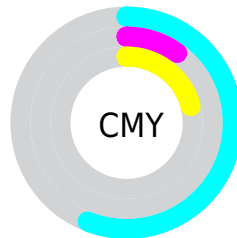
- Red (44%)
- Green (90%)
- Blue (79%)



- Red (44%)
- Yellow (70%)
- Blue (90%)



- Cyan (51%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)



- Cyan (56%)
- Magenta (10%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 40.456, 174.388 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 84, 40.456, 174.388 by changing the saturation by 10% instead.

 84, 40.456,
174.388

 84, 40.456,
174.388


 100, 40.456,
174.388

 74, 40.456,
174.388

 64, 40.456,
174.388

 54, 40.456,
174.388

 44, 40.456,
174.388

 34, 40.456,
174.388

 24, 40.456,
174.388

 14, 40.456,

174.388

■ 4, 40.456, 174.388

■ 0, 40.456, 174.388

■ 84, 40.456,
174.388

■ 84, 40.456,
174.388

■ 83, 46.461,
173.015

■ 85, 33.650,
175.632

■ 83, 51.563,
171.490

■ 86, 26.175,
176.773

■ 82, 55.717,
169.790

■ 88, 18.179,
177.834

■ 82, 58.956,
167.901

■ 89, 9.806, 178.841

■ 82, 61.183,

■ 91, 1.189, 180.172

166.157

93, 7.558, 0.513

93, 10.549,
349.299

94, 12.260,
337.548

94, 14.368,
329.010

Harmonies

Complementary

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



84, 40.456, 174.388



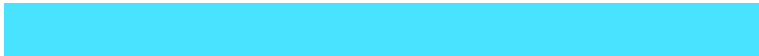
62, 48.968, 7.103

Rectangle

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



84, 40.456, 174.388



84, 40.456, 224.388



84, 40.456, 354.388



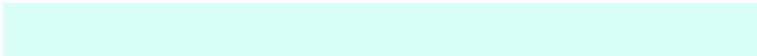
84, 40.456, 44.388

Sweetspot

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



84, 40.457, 174.387



97, 14.015, 178.470



84, 68.478, 134.487



51, 9.535, 178.257



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 40.457, 174.387



91, 50.865, 172.872



76, 29.472, 230.746



47, 4.904, 179.033



65, 50.398, 166.523



18, 20.150, 170.111

Inverse Universe

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



62, 48.968, 7.103



63, 63.979, 9.949



67, 42.791, 44.351



45, 5.067, 0.674



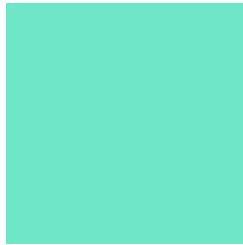
37, 69.020, 25.678



7, 26.641, 11.333

Previews

White Background



This preview shows how the CIELCh color 84, 40.456, 174.388 looks on a white background.

Color Contrast Check

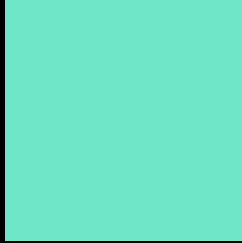
Large Text (above 18pt) WCAG AA × Fail

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 84, 40.456, 174.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

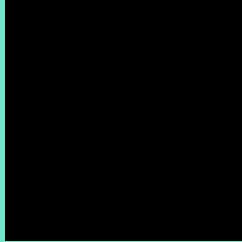
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

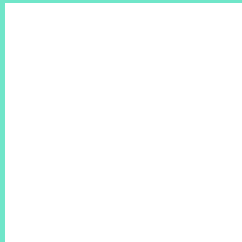
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 40.456, 174.388

Background



This preview shows how black text looks on a background with the CIELCh color 84, 40.456, 174.388.

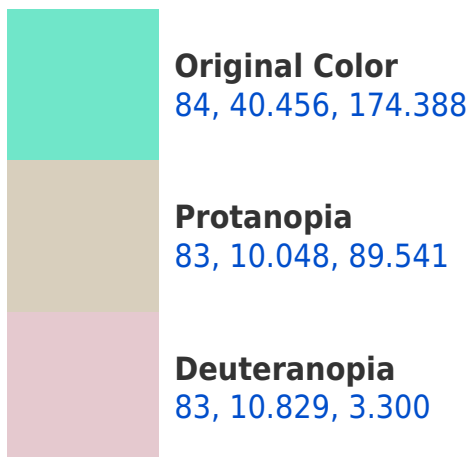


This preview shows how white text looks on a background with the CIELCh color 84, 40.456, 174.388.

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
84, 30.197, 216.099

Trichromacy



Original Color
84, 40.456, 174.388



Protanomaly
83, 17.826, 157.517



Deuteranomaly
83, 9.503, 179.219

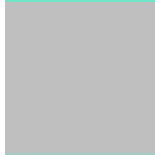


Tritanomaly
84, 31.946, 198.231

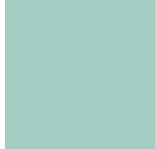
Monochromacy



Original Color
84, 40.456, 174.388



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 16.156, 178.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 40.456, 174.388 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(112, 230, 201)` looks like.

```
.text, #text, p{  
    color:rgb(112, 230, 201)  
}
```

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(112, 230, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 230, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 40.456, 174.388 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(112, 230, 201) }
```

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

```
.border{ border-color:rgb(112, 230, 201) }
```

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

Here you see how a box with a 4 pixel rgb(112, 230, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 230, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 230, 201);  
box-shadow:4px 4px 4px 4px rgb(112, 230,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 40.456, 174.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 230, 201) }
```

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

```
.background{ background-color: rgb(112,  
230, 201) }
```

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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