

Converting Colors

CIELCh(84, 40.578, 196.742)

Have a look what the booklet for
CIELCh(84, 40.578, 196.742)
contains.

CIELCh(84, 40.531, 196.749)	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(84, 40.531, 196.749)

Conversions

Conversions Part 1

Format	Color
Hex	4FE6E6
RGB	79, 230, 230
RGB Percent	31%, 90%, 90%
CMY	0.6894, 0.0975, 0.0975
CMYK	0.66, 0.00, 0.00, 0.10
HSL	180°, 75%, 61%
HSV	180°, 66%, 90%
XYZ	45.8804, 64.0658, 84.9159
YIQ	184.8510, -89.9960, -32.0120

Conversions

Conversions Part 2

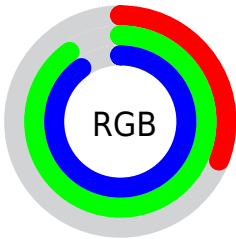
Format	Color
RYB	79, 155, 230
Decimal	5236454
CIELab	84.00, -38.81, -11.68
CIElCh	84, 40.531, 196.749
Yxy	64.0658, 0.2355, 0.3288
Android (android.graphics.Color)	4283426534 (0xFF4FE6E6)
YUV	184.8510, 22.2585, -92.8313
Hunter-Lab	80.0411, -37.7538, -6.8722

Details

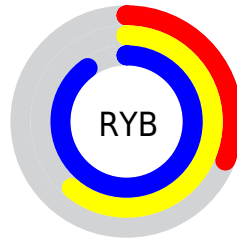
The CIELCh color **84, 40.531, 196.749** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **55, 66.757, 29.189**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.849, 197.398**, and **64, 37.480, 197.267** is the 20% darker color. If you saturate the color by 10%, you get **84, 43.368, 196.570**, and if you desaturate by 10%, it is **85, 36.668, 196.992**.

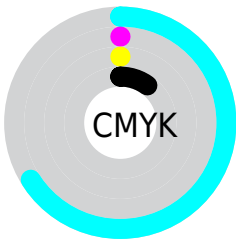
Distribution



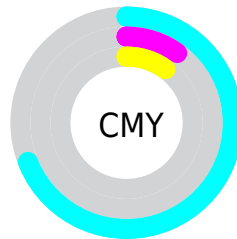
- Red (31%)
- Green (90%)
- Blue (90%)



- Red (31%)
- Yellow (61%)
- Blue (90%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (69%)
- Magenta (10%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 40.531, 196.749 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, 40.531, 196.749 by changing the saturation by 10% instead.


 84, 40.531,
196.749


 84, 40.531,
196.749


 100, 40.531,
196.749


 74, 40.531,
196.749

 64, 40.531,
196.749

 54, 40.531,
196.749

 44, 40.531,
196.749

 34, 40.531,
196.749

 24, 40.531,
196.749

 14, 40.531,

196.749

■ 4, 40.531, 196.749

■ 0, 40.531, 196.749

■ 84, 40.531,
196.749

■ 84, 40.531,
196.749

■ 84, 43.368,
196.570

■ 85, 36.668,
196.992

■ 83, 45.205,
196.455

■ 85, 31.814,
197.304

■ 83, 46.140,
196.397


■ 86, 26.052,
197.680

■ 83, 46.377,
196.383

■ 88, 19.494,
198.118

■ 89, 12.271,

198.618

 90, 4.516, 199.230

 92, 3.645, 19.487

 93, 9.015, 19.960

 93, 9.015, 19.958

Harmonies

Complementary

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



84, 40.531, 196.749



55, 66.757, 29.189

Rectangle

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



84, 40.531, 196.749



84, 40.531, 246.749



84, 40.531, 16.749



84, 40.531, 66.749

Sweetspot

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



84, 40.531, 196.748



97, 16.872, 198.384



81, 90.063, 138.303



51, 11.403, 198.244



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, 40.531, 196.748



91, 47.754, 196.519



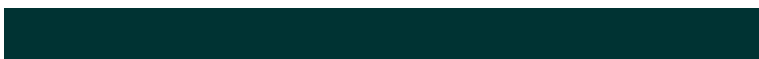
63, 43.936, 268.153



47, 4.537, 198.967



66, 38.347, 196.383



18, 16.092, 196.383

Inverse Universe

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



55, 66.757, 29.189



56, 88.168, 33.904



69, 54.319, 65.473



45, 4.817, 19.933



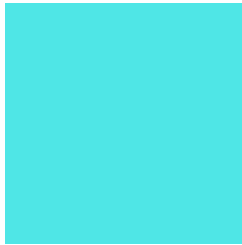
37, 79.983, 39.971



6, 27.105, 21.757

Previews

White Background



This preview shows how the CIE LCh color 84, 40.531, 196.749 looks on a white background.

Color Contrast Check

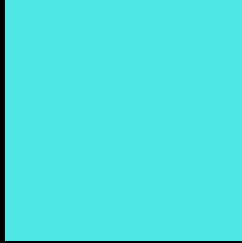
Large Text (above 18pt) WCAG AA × Fail

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, 40.531, 196.749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

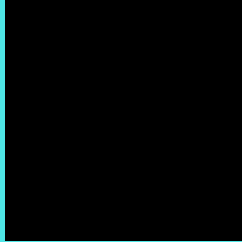
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 40.531, 196.749

Background



This preview shows how black text looks on a background with the CIELCh color 84, 40.531, 196.749.

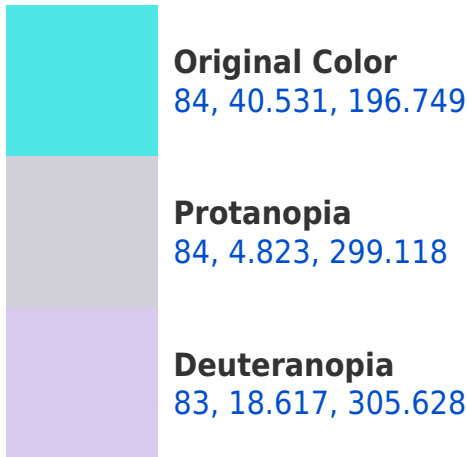


This preview shows how white text looks on a background with the CIELCh color 84, 40.531, 196.749.

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, 37.915, 211.759

Trichromacy



Original Color
84, 40.531, 196.749



Protanomaly
83, 17.777, 208.586



Deuteranomaly
82, 18.575, 237.670

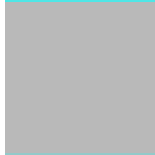


Tritanomaly
84, 38.672, 205.681

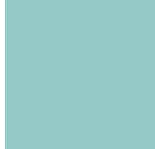
Monochromacy



Original Color
84, 40.531, 196.749



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 18.265, 198.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 40.531, 196.749 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(79, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(79, 230, 230)  
}
```

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(79, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 230, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 40.531, 196.749 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(79, 230, 230) }
```

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

```
.border{ border-color:rgb(79, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(79, 230,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 40.531, 196.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 230, 230) }
```

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

```
.background{ background-color: rgb(79, 230,  
230) }
```

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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