

Converting Colors

CIELCh(84, 43.350, 187.396)

Have a look what the booklet for
CIELCh(84, 43.350, 187.396)
contains.

CIELCh(84, 43.454, 187.370)	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, 43.454, 187.370)

Conversions

Conversions Part 1

Format	Color
Hex	4BE8DB
RGB	75, 232, 219
RGB Percent	29%, 91%, 86%
CMY	0.7042, 0.0919, 0.1429
CMYK	0.67, 0.00, 0.06, 0.09
HSL	175°, 77%, 60%
HSV	175°, 67%, 91%
XYZ	44.3936, 64.0658, 76.7435
YIQ	183.5750, -89.3990, -37.3270

Conversions

Conversions Part 2

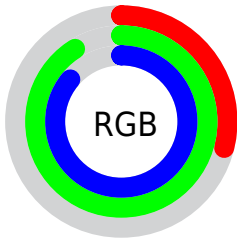
Format	Color
RYB	75, 157, 232
Decimal	4974811
CIELab	84.00, -43.10, -5.57
CIELCh	84, 43.454, 187.370
Yxy	64.0658, 0.2397, 0.3459
Android (android.graphics.Color)	4283164891 (0xFF4BE8DB)
YUV	183.5750, 17.4645, -95.2203
Hunter-Lab	80.0411, -41.0696, -0.8186

Details

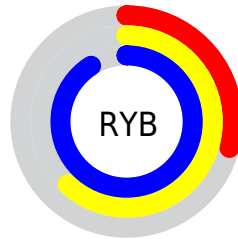
The CIELCh color **84, 43.454, 187.370** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **55, 66.518, 24.016**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.553, 197.356**, and **65, 40.270, 186.511** is the 20% darker color. If you saturate the color by 10%, you get **84, 46.605, 186.502**, and if you desaturate by 10%, it is **85, 39.287, 188.188**.

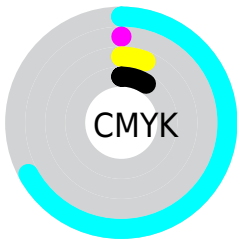
Distribution



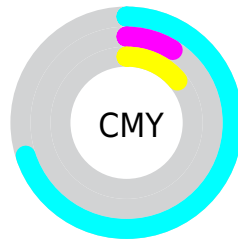
- Red (29%)
- Green (91%)
- Blue (86%)



- Red (29%)
- Yellow (62%)
- Blue (91%)



- Cyan (67%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (70%)
- Magenta (9%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 43.454, 187.370 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, 43.454, 187.370 by changing the saturation by 10% instead.


 84, 43.454,
187.370


 84, 43.454,
187.370


 100, 43.454,
187.370


 74, 43.454,
187.370

 64, 43.454,
187.370

 54, 43.454,
187.370

 44, 43.454,
187.370

 34, 43.454,
187.370

 24, 43.454,
187.370

 14, 43.454,

187.370

■ 4, 43.454, 187.370

■ 0, 43.454, 187.370

■ 84, 43.454,
187.370

■ 84, 43.454,
187.370

■ 84, 46.605,
186.502

■ 85, 39.287,
188.188

■ 83, 48.763,
185.571

■ 85, 34.148,
188.975

■ 83, 50.042,
184.563

■ 86, 28.129,
189.744

■ 83, 50.303,
184.299

■ 88, 21.353,
190.504

■ 89, 13.958,

191.266

 91, 6.083, 192.066

 92, 2.144, 12.427

 94, 8.549, 11.587

 94, 8.729, 5.155

Harmonies

Complementary

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



84, 43.454, 187.370



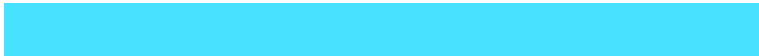
55, 66.518, 24.016

Rectangle

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



84, 43.454, 187.370



84, 43.454, 237.370



84, 43.454, 7.370



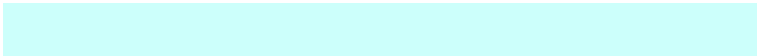
84, 43.454, 57.370

Sweetspot

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



84, 43.454, 187.369



97, 17.200, 191.061



82, 91.083, 137.050



51, 11.643, 190.846



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, 43.454, 187.369



91, 51.184, 186.139



66, 41.213, 260.496



47, 4.598, 191.895



66, 41.340, 184.486



18, 17.116, 186.203

Inverse Universe

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



55, 66.518, 24.016



56, 85.956, 29.470



67, 56.545, 59.026



45, 4.837, 13.216



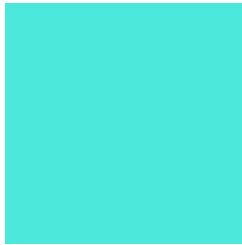
37, 76.525, 36.557



6, 26.859, 18.317

Previews

White Background



This preview shows how the CIE LCh color 84, 43.454, 187.370 looks on a white background.

Color Contrast Check

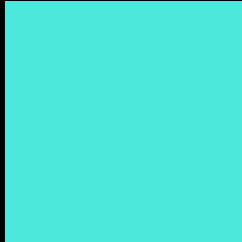
Large Text (above 18pt) WCAG AA × Fail

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, 43.454, 187.370 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

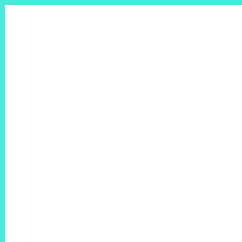
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 43.454, 187.370

Background



This preview shows how black text looks on a background with the CIELCh color 84, 43.454, 187.370.

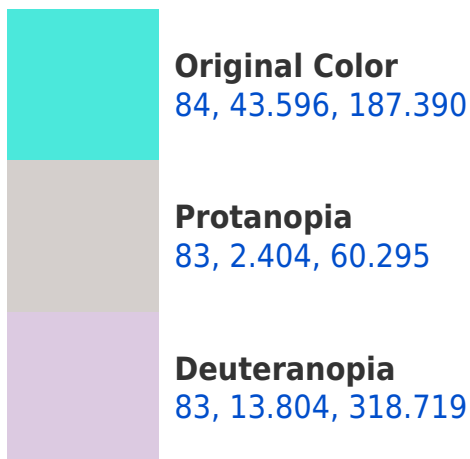


This preview shows how white text looks on a background with the CIELCh color 84, 43.454, 187.370.

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, 37.444, 212.842

Trichromacy



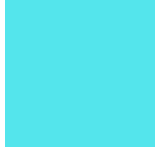
Original Color
84, 43.596, 187.390



Protanomaly
83, 18.886, 186.706



Deuteranomaly
82, 16.046, 217.802

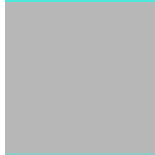


Tritanomaly
84, 38.908, 202.405

Monochromacy



Original Color
84, 43.596, 187.390



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 19.670, 190.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 43.454, 187.370 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(75, 232, 219)` looks like.

```
.text, #text, p{  
    color:rgb(75, 232, 219)  
}
```

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(75, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 232, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 43.454, 187.370 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(75, 232, 219) }
```

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

```
.border{ border-color:rgb(75, 232, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 232, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 232, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 232, 219);  
box-shadow:4px 4px 4px 4px rgb(75, 232,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 43.454, 187.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 232, 219) }
```

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

```
.background{ background-color: rgb(75, 232,  
219) }
```

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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