

Converting Colors

CIELCh(84, 41.044, 199.382)

Have a look what the booklet for
CIELCh(84, 41.044, 199.382)
contains.

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Color

CIELCh(84, 40.915, 199.743)

Conversions

Conversions Part 1

Format	Color
Hex	49E6EA
RGB	73, 230, 234
RGB Percent	29%, 90%, 92%
CMY	0.7128, 0.0973, 0.0817
CMYK	0.69, 0.02, 0.00, 0.08
HSL	181°, 79%, 60%
HSV	181°, 69%, 92%
XYZ	45.9864, 64.0658, 87.9131
YIQ	183.5130, -94.8560, -32.0400

Conversions

Conversions Part 2

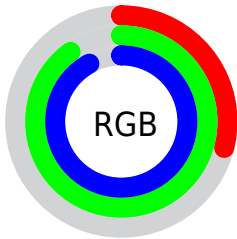
Format	Color
RYB	73, 152, 234
Decimal	4843242
CIELab	84.00, -38.51, -13.82
CIELCh	84, 40.915, 199.743
Yxy	64.0658, 0.2323, 0.3236
Android (android.graphics.Color)	4283033322 (0xFF49E6EA)
YUV	183.5130, 24.8901, -96.9199
Hunter-Lab	80.0411, -37.5175, -9.0924

Details

The CIELCh color **84, 40.915, 199.743** 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, 70.262, 31.294**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.784, 197.342**, and **65, 37.084, 199.950** is the 20% darker color. If you saturate the color by 10%, you get **83, 43.323, 199.841**, and if you desaturate by 10%, it is **85, 37.469, 199.752**.

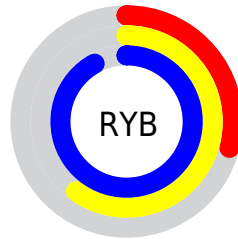
Distribution



Red (29%)

Green (90%)

Blue (92%)



Red (29%)

Yellow (60%)

Blue (92%)

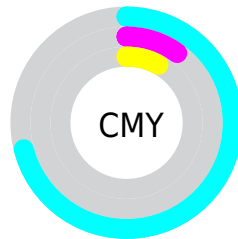


Cyan (69%)

Magenta (2%)

Yellow (0%)

Black (8%)



Cyan (71%)

Magenta (10%)

Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 40.915, 199.743 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, 40.915, 199.743 by changing the saturation by 10% instead.


 84, 40.915,
199.743

 84, 40.915,
199.743


 100, 40.915,
199.743


 74, 40.915,
199.743

 64, 40.915,
199.743

 54, 40.915,
199.743

 44, 40.915,
199.743

 34, 40.915,
199.743

 24, 40.915,
199.743

 14, 40.915,

199.743

■ 4, 40.915, 199.743

■ 0, 40.915, 199.743

■ 84, 40.915,
199.743

■ 84, 40.915,
199.743

■ 83, 43.323,
199.841

■ 85, 37.469,
199.752

■ 83, 44.737,
200.053

■ 86, 33.008,
199.867

■ 83, 45.314,
200.369

■ 87, 27.606,
200.076

■ 83, 45.363,
200.413

■ 88, 21.371,
200.371

■ 90, 14.430,

200.745

■ 91, 6.918, 201.212

■ 93, 1.039, 20.990

■ 95, 7.277, 22.455

■ 95, 7.087, 24.914

Harmonies

Complementary

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



84, 40.915, 199.743



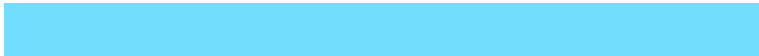
55, 70.262, 31.294

Rectangle

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



84, 40.915, 199.743



84, 40.915, 249.743



84, 40.915, 19.743



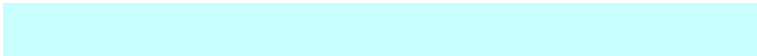
84, 40.915, 69.743

Sweetspot

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



84, 40.914, 199.742



96, 17.211, 200.649



82, 94.007, 138.553



51, 11.538, 200.543



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, 40.914, 199.742



90, 46.877, 199.906



61, 48.979, 273.018



48, 4.504, 201.172



65, 37.434, 200.345



19, 16.108, 199.747

Inverse Universe

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



60, 91.688, 328.548



62, 107.978, 328.944



71, 58.092, 68.142



46, 8.316, 325.614



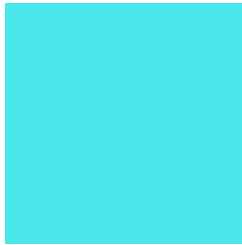
43, 87.646, 329.242



9, 37.638, 329.091

Previews

White Background



This preview shows how the CIE LCh color 84, 40.915, 199.743 looks on a white background.

Color Contrast Check

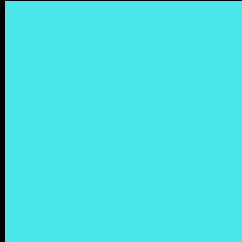
Large Text (above 18pt) WCAG AA × Fail

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, 40.915, 199.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

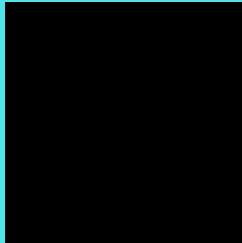
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 40.915, 199.743

Background



This preview shows how black text looks on a background with the CIELCh color 84, 40.915, 199.743.

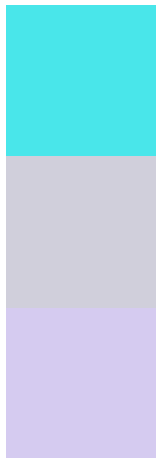


This preview shows how white text looks on a background with the CIELCh color 84, 40.915, 199.743.

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



Original Color

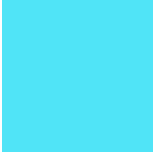
84, 40.915, 199.743

Protanopia

84, 6.359, 293.931

Deuteranopia

84, 19.930, 301.692



Tritanopia
84, 38.915, 212.144

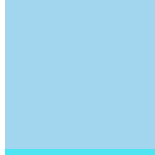
Trichromacy



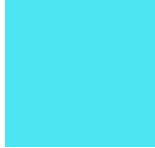
Original Color
84, 40.915, 199.743



Protanomaly
83, 18.896, 214.591



Deuteranomaly
83, 20.558, 238.865

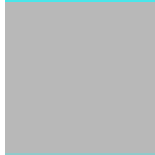


Tritanomaly
84, 39.444, 207.057

Monochromacy



Original Color
84, 40.915, 199.743



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 19.116, 199.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 40.915, 199.743 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(73, 230, 234)` looks like.

```
.text, #text, p{  
    color:rgb(73, 230, 234)  
}
```

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(73, 230, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 230, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 40.915, 199.743 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(73, 230, 234) }
```

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

```
.border{ border-color:rgb(73, 230, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 230, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 230, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 230, 234);  
box-shadow:4px 4px 4px 4px rgb(73, 230,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 40.915, 199.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 230, 234) }
```

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

```
.background{ background-color: rgb(73, 230,  
234) }
```

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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