

Converting Colors

CIELCh(84, 42.682, 197.404)

Have a look what the booklet for
CIELCh(84, 42.682, 197.404)
contains.

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Color

CIELCh(84, 42.656, 197.348)

Conversions

Conversions Part 1

Format	Color
Hex	3FE7E8
RGB	63, 231, 232
RGB Percent	25%, 91%, 91%
CMY	0.7526, 0.0939, 0.0900
CMYK	0.73, 0.00, 0.00, 0.09
HSL	180°, 79%, 58%
HSV	180°, 73%, 91%
XYZ	45.2155, 64.0658, 86.3614
YIQ	180.8820, -100.4490, -35.3050

Conversions

Conversions Part 2

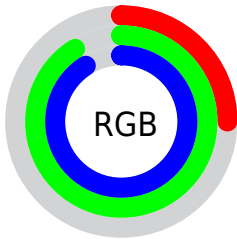
Format	Color
RYB	63, 147, 232
Decimal	4188136
CIELab	84.00, -40.72, -12.72
CIELCh	84, 42.656, 197.348
Yxy	64.0658, 0.2311, 0.3275
Android (android.graphics.Color)	4282378216 (0xFF3FE7E8)
YUV	180.8820, 25.2012, -103.3825
Hunter-Lab	80.0411, -39.2367, -7.9430

Details

The CIELCh color **84, 42.656, 197.348** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **53, 74.976, 31.781**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.142, 197.260**, and **65, 37.640, 197.263** is the 20% darker color. If you saturate the color by 10%, you get **84, 44.739, 197.278**, and if you desaturate by 10%, it is **85, 39.551, 197.490**.

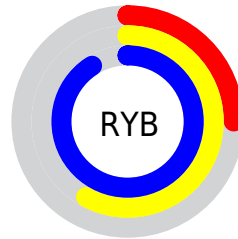
Distribution



Red (25%)

Green (91%)

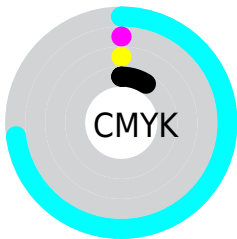
Blue (91%)



Red (25%)

Yellow (58%)

Blue (91%)

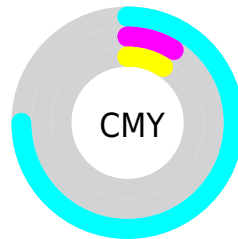


Cyan (73%)

Magenta (0%)

Yellow (0%)

Black (9%)



Cyan (75%)

Magenta (9%)

Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 42.656, 197.348 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, 42.656, 197.348 by changing the saturation by 10% instead.


 84, 42.656,
197.348


 84, 42.656,
197.348


 100, 42.656,
197.348

 74, 42.656,
197.348

 64, 42.656,
197.348

 54, 42.656,
197.348

 44, 42.656,
197.348

 34, 42.656,
197.348

 24, 42.656,
197.348

 14, 42.656,

197.348

■ 4, 42.656, 197.348

■ 0, 42.656, 197.348

■ 84, 42.656,
197.348

■ 84, 42.656,
197.348

■ 84, 44.739,
197.278

■ 85, 39.551,
197.490

■ 83, 45.877,
197.280

■ 85, 35.418,
197.710


■ 83, 46.265,
197.315

■ 86, 30.309,
198.003

■ 87, 24.316,
198.367

■ 88, 17.560,

198.796

 90, 10.174,
199.293

 92, 2.290, 200.018

 93, 5.968, 20.197

 94, 8.216, 20.736

Harmonies

Complementary

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



84, 42.656, 197.348



53, 74.976, 31.781

Rectangle

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



84, 42.656, 197.348



84, 42.656, 247.348



84, 42.656, 17.348



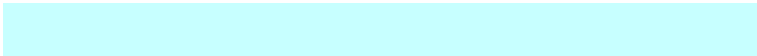
84, 42.656, 67.348

Sweetspot

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



84, 42.655, 197.347



96, 18.323, 198.828



81, 97.979, 137.761



51, 12.195, 198.703



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, 42.655, 197.347



91, 48.732, 197.271



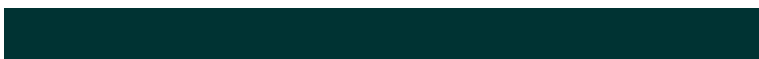
60, 50.049, 272.802



47, 4.509, 199.483



66, 38.023, 197.299



18, 15.977, 197.157

Inverse Universe

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



59, 95.623, 328.051



61, 111.848, 328.350



68, 61.245, 65.986



45, 8.273, 325.099



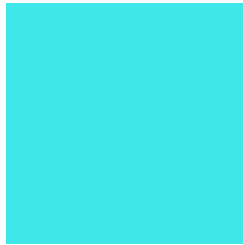
42, 88.022, 328.467



8, 36.963, 328.431

Previews

White Background



This preview shows how the CIE LCh color 84, 42.656, 197.348 looks on a white background.

Color Contrast Check

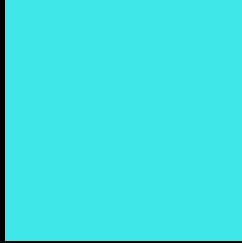
Large Text (above 18pt) WCAG AA × Fail

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, 42.656, 197.348 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, 42.656, 197.348

Background



This preview shows how black text looks on a background with the CIELCh color 84, 42.656, 197.348.

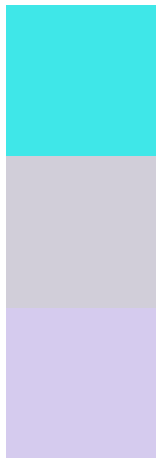


This preview shows how white text looks on a background with the CIELCh color 84, 42.656, 197.348.

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

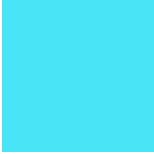
84, 42.656, 197.348

Protanopia

83, 5.932, 301.073

Deuteranopia

83, 18.892, 302.197

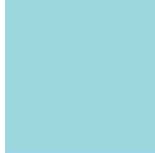


Tritanopia
84, 39.991, 210.858

Trichromacy



Original Color
84, 42.656, 197.348



Protanomaly
82, 19.567, 209.114



Deuteranomaly
82, 20.917, 234.281

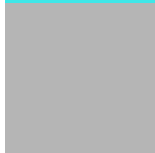


Tritanomaly
84, 40.814, 205.862

Monochromacy



Original Color
84, 42.656, 197.348



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 20.316, 199.443

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 42.656, 197.348 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(63, 231, 232)` looks like.

```
.text, #text, p{  
    color:rgb(63, 231, 232)  
}
```

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(63, 231, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 231, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 42.656, 197.348 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(63, 231, 232) }
```

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

```
.border{ border-color:rgb(63, 231, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 231, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 231, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 231, 232);  
box-shadow:4px 4px 4px 4px rgb(63, 231,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 42.656, 197.348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 231, 232) }
```

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

```
.background{ background-color: rgb(63, 231,  
232) }
```

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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