

Converting Colors

CIELCh(84, 35.622, 216.532)

Have a look what the booklet for
CIELCh(84, 35.622, 216.532)
contains.

CIELCh(84, 35.622, 216.532)	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, 35.622, 216.532)

Conversions

Conversions Part 1

Format	Color
Hex	64E2F8
RGB	100, 226, 248
RGB Percent	39%, 89%, 97%
CMY	0.6066, 0.1126, 0.0263
CMYK	0.60, 0.09, 0.00, 0.03
HSL	189°, 92%, 68%
HSV	189°, 60%, 97%
XYZ	49.5495, 64.0658, 98.7896
YIQ	190.8340, -82.1580, -19.8700

Conversions

Conversions Part 2

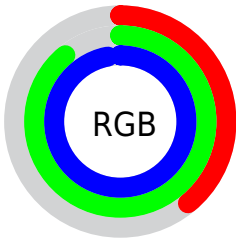
Format	Color
R _Y B	100, 168, 248
Decimal	6611704
CIE Lab	84.00, -28.62, -21.20
CIE LCh	84, 35.622, 216.532
Yxy	64.0658, 0.2333, 0.3016
Android (android.graphics.Color)	4284801784 (0xFF64E2F8)
YUV	190.8340, 28.1828, -79.6614
Hunter-Lab	80.0411, -29.5714, -17.1491

Details

The CIELCh color **84, 35.622, 216.532** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **66, 57.842, 36.693**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.614, 197.654**, and **64, 35.600, 217.290** is the 20% darker color. If you saturate the color by 10%, you get **82, 38.779, 217.927**, and if you desaturate by 10%, it is **86, 31.492, 215.494**.

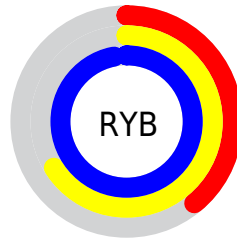
Distribution



Red (39%)

Green (89%)

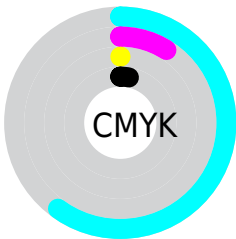
Blue (97%)



Red (39%)

Yellow (66%)

Blue (97%)

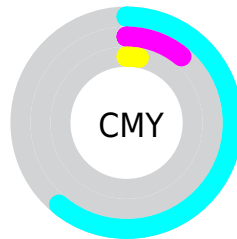


Cyan (60%)

Magenta (9%)

Yellow (0%)

Black (3%)



Cyan (61%)


Magenta (11%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 35.622, 216.532 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, 35.622, 216.532 by changing the saturation by 10% instead.


 84, 35.622,
216.532


 84, 35.622,
216.532


 100, 35.622,
216.532


 74, 35.622,
216.532

 64, 35.622,
216.532

 54, 35.622,
216.532

 44, 35.622,
216.532

 34, 35.622,
216.532

 24, 35.622,
216.532

 14, 35.622,

216.532

■ 4, 35.622, 216.532

■ 0, 35.622, 216.532

■ 84, 35.622,
216.532

■ 84, 35.622,
216.532

■ 82, 38.779,
217.927

■ 86, 31.492,
215.494

■ 81, 40.947,
219.749

■ 88, 26.467,
214.754

■ 79, 42.182,
222.060

■ 90, 20.652,
214.257

■ 78, 42.688,
224.853

■ 93, 14.170,
213.958

■ 78, 42.704,

■ 95, 7.145, 213.841

224.971

98, 0.310, 31.610

99, 2.181, 82.290

100, 3.396,
109.902

Harmonies

Complementary

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



84, 35.622, 216.532



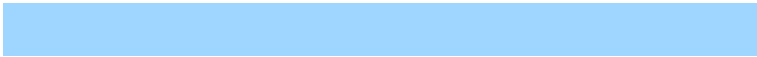
66, 57.842, 36.693

Rectangle

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



84, 35.622, 216.532



84, 35.622, 266.532



84, 35.622, 36.532



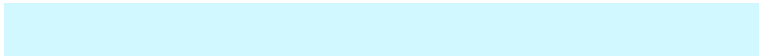
84, 35.622, 86.532

Sweetspot

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



84, 35.621, 216.531



95, 13.371, 213.927



88, 81.764, 142.674



50, 9.204, 213.988



0, 0.000, 0.000



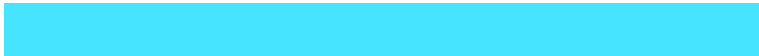
53, 0.007, 296.813

Same Dimension

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



84, 35.621, 216.531



84, 40.221, 218.342



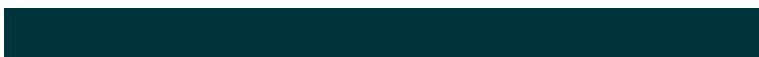
64, 53.101, 280.616



51, 4.258, 213.840



61, 34.764, 224.428



19, 15.818, 220.421

Inverse Universe

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



66, 79.708, 332.542



63, 92.836, 333.354



82, 54.521, 80.163



49, 8.039, 329.346



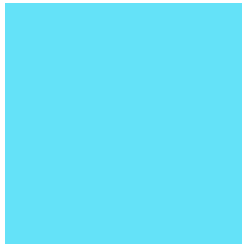
43, 82.027, 335.204



11, 37.654, 334.197

Previews

White Background



This preview shows how the CIE LCh color 84, 35.622, 216.532 looks on a white background.

Color Contrast Check

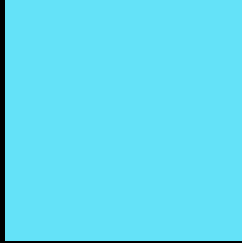
Large Text (above 18pt) WCAG AA × Fail

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, 35.622, 216.532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

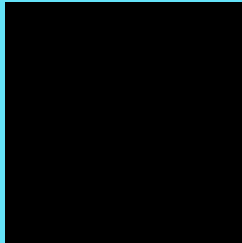
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 35.622, 216.532

Background



This preview shows how black text looks on a background with the CIELCh color 84, 35.622, 216.532.

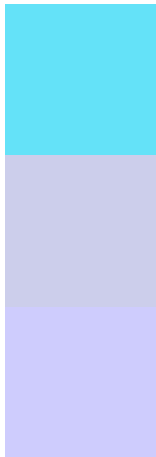


This preview shows how white text looks on a background with the CIELCh color 84, 35.622, 216.532.

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, 35.622, 216.532

Protanopia

83, 15.331, 288.943

Deuteranopia

84, 25.931, 293.825

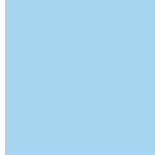


Tritanopia
84, 35.817, 212.766

Trichromacy



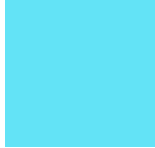
Original Color
84, 35.622, 216.532



Protanomaly
83, 20.320, 243.591



Deuteranomaly
83, 24.300, 257.381

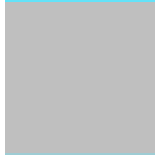


Tritanomaly
84, 35.846, 213.652

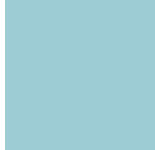
Monochromacy



Original Color
84, 35.622, 216.532



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 15.902, 214.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 35.622, 216.532 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(100, 226, 248)` looks like.

```
.text, #text, p{  
    color:rgb(100, 226, 248)  
}
```

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(100, 226, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 226, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 35.622, 216.532 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(100, 226, 248) }
```

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

```
.border{ border-color:rgb(100, 226, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 226, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 226, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 226, 248);  
box-shadow:4px 4px 4px 4px rgb(100, 226,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 35.622, 216.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 226, 248) }
```

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

```
.background{ background-color: rgb(100,  
226, 248) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor