

Converting Colors

CIELCh(85, 44.661, 212.662)

Have a look what the booklet for
CIELCh(85, 44.661, 212.662)
contains.

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Color

CIELCh(85, 44.604, 211.994)

Conversions

Conversions Part 1

Format	Color
Hex	16EAFF
RGB	22, 234, 255
RGB Percent	9%, 92%, 100%
CMY	0.9123, 0.0842, 0.0000
CMYK	0.91, 0.08, 0.00, 0.00
HSL	186°, 100%, 54%
HSV	186°, 91%, 100%
XYZ	47.7631, 66.0070, 105.2821
YIQ	173.0060, -133.0930, -38.4130

Conversions

Conversions Part 2

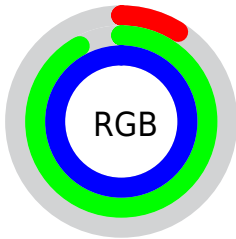
Format	Color
R_{YB}	22, 133, 255
Decimal	1501951
CIE _{Lab}	85.00, -37.83, -23.63
CIE _{LCh}	85, 44.604, 211.994
Yxy	66.0070, 0.2180, 0.3013
Android (android.graphics.Color)	4279692031 (0xFF16E AFF)
YUV	173.0060, 40.4230, -132.4323
Hunter-Lab	81.2447, -37.2396, -19.9605

Details

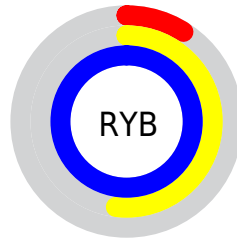
The CIELCh color **85, 44.604, 211.994** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **55, 97.375, 39.749**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.090, 197.085**, and **66, 36.851, 214.493** is the 20% darker color. If you saturate the color by 10%, you get **84, 44.841, 213.013**, and if you desaturate by 10%, it is **86, 43.601, 210.269**.

Distribution



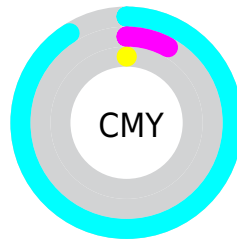
- Red (9%)
- Green (92%)
- Blue (100%)



- Red (9%)
- Yellow (52%)
- Blue (100%)



- Cyan (91%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (91%)
- Magenta (8%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 44.604, 211.994 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 85, 44.604, 211.994 by changing the saturation by 10% instead.

 85, 44.604,
211.994

 85, 44.604,
211.994

 100, 44.604,
211.994

 75, 44.604,
211.994

 65, 44.604,
211.994

 55, 44.604,
211.994

 45, 44.604,
211.994

 35, 44.604,
211.994

 25, 44.604,
211.994

 15, 44.604,

211.994

■ 5, 44.604, 211.994

■ 0, 44.604, 211.994

■ 85, 44.604,
211.994

■ 85, 44.604,
211.994

■ 84, 44.841,
213.013

■ 86, 43.601,
210.269

■ 87, 41.580,
209.242

■ 88, 38.479,
208.491

■ 90, 34.312,
207.980

■ 91, 29.152,

207.673

■ 93, 23.108,
207.536

■ 95, 16.313,
207.543

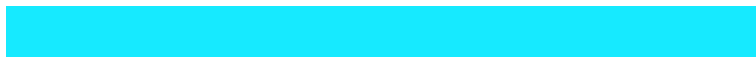
■ 97, 8.901, 207.683

■ 100, 1.003,
208.468

Harmonies

Complementary

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



85, 44.604, 211.994



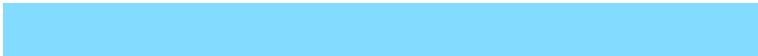
55, 97.375, 39.749

Rectangle

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



85, 44.604, 211.994



85, 44.604, 261.994



85, 44.604, 31.994



85, 44.604, 81.994

Sweetspot

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



85, 44.608, 211.604



94, 20.315, 207.523



88, 114.857, 137.277



49, 13.506, 207.532



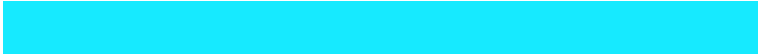
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 44.608, 211.604



84, 44.841, 213.013



53, 78.445, 288.487



52, 4.526, 207.724



65, 36.165, 212.694



22, 16.802, 210.519

Inverse Universe

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



60, 106.239, 331.978



59, 107.343, 332.372



73, 79.830, 69.651



50, 8.502, 327.566



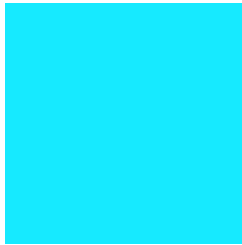
44, 86.568, 332.294



12, 40.174, 331.761

Previews

White Background



This preview shows how the CIE LCh color 85, 44.604, 211.994 looks on a white background.

Color Contrast Check

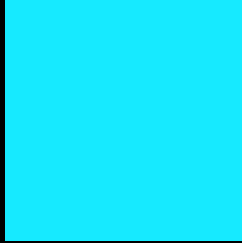
Large Text (above 18pt) WCAG AA × Fail

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 85, 44.604, 211.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

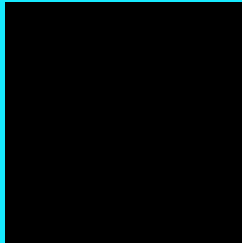
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 44.604, 211.994

Background



This preview shows how black text looks on a background with the CIELCh color 85, 44.604, 211.994.

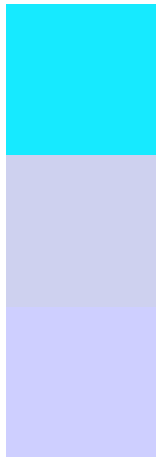


This preview shows how white text looks on a background with the CIELCh color 85, 44.604, 211.994.

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](#).

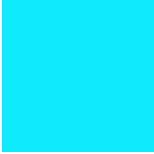
Dichromacy



Original Color
85, 44.697, 211.231

Protanopia
84, 15.828, 287.832

Deuteranopia
84, 25.315, 291.567

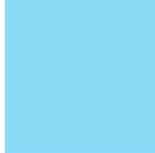


Tritanopia
85, 44.958, 209.706

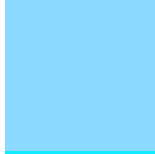
Trichromacy



Original Color
85, 44.697, 211.231



Protanomaly
83, 27.116, 230.079



Deuteranomaly
83, 29.655, 241.266

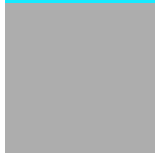


Tritanomaly
85, 44.847, 210.458

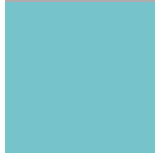
Monochromacy



Original Color
85, 44.697, 211.231



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 24.551, 207.899

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 44.604, 211.994 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(22, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(22, 234, 255)  
}
```

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(22, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 234, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 44.604, 211.994 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(22, 234, 255) }
```

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

```
.border{ border-color:rgb(22, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(22, 234,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 44.604, 211.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 234, 255) }
```

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

```
.background{ background-color: rgb(22, 234,  
255) }
```

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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