

Converting Colors

CIELCh(85, 44.166, 211.984)

Have a look what the booklet for
CIELCh(85, 44.166, 211.984)
contains.

CIELCh(85, 44.107, 212.198)	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(85, 44.107, 212.198)

Conversions

Conversions Part 1

Format	Color
Hex	21E9FF
RGB	33, 233, 255
RGB Percent	13%, 91%, 100%
CMY	0.8709, 0.0851, 0.0000
CMYK	0.87, 0.09, 0.00, 0.00
HSL	186°, 100%, 56%
HSV	186°, 87%, 100%
XYZ	47.9453, 66.0070, 105.0742
YIQ	175.7080, -126.2620, -35.5580

Conversions

Conversions Part 2

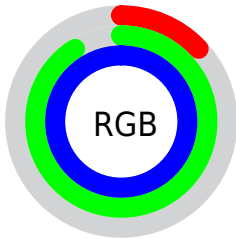
Format	Color
R_{YB}	33, 138, 255
Decimal	2222591
CIE _{Lab}	85.00, -37.32, -23.50
CIE _{LCh}	85, 44.107, 212.198
Yxy	66.0070, 0.2189, 0.3014
Android (android.graphics.Color)	4280412671 (0xFF21E9FF)
YUV	175.7080, 39.0910, -125.1549
Hunter-Lab	81.2447, -36.8392, -19.8087

Details

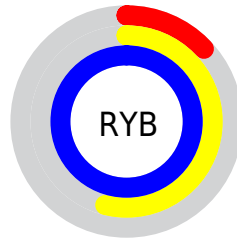
The CIELCh color **85, 44.107, 212.198** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **56, 93.363, 39.138**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.485, 197.121**, and **66, 36.718, 215.521** is the 20% darker color. If you saturate the color by 10%, you get **84, 44.595, 213.608**, and if you desaturate by 10%, it is **86, 42.699, 210.681**.

Distribution



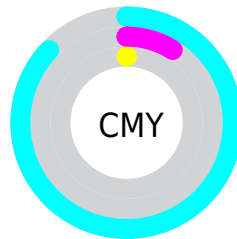
- Red (13%)
- Green (91%)
- Blue (100%)



- Red (13%)
- Yellow (54%)
- Blue (100%)



- Cyan (87%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (87%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 44.107, 212.198 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, 44.107, 212.198 by changing the saturation by 10% instead.

 85, 44.107,
212.198


 85, 44.107,
212.198

 100, 44.107,
212.198

 75, 44.107,
212.198

 65, 44.107,
212.198

 55, 44.107,
212.198

 45, 44.107,
212.198

 35, 44.107,
212.198

 25, 44.107,
212.198

 15, 44.107,

212.198

■ 5, 44.107, 212.198

■ 0, 44.107, 212.198

■ 85, 44.107,
212.198

■ 85, 44.107,
212.198

■ 84, 44.595,
213.608

■ 86, 42.699,
210.681

■ 84, 44.645,
214.123

■ 87, 40.242,
209.698

■ 89, 36.709,
208.991

■ 90, 32.138,
208.519

■ 92, 26.621,

208.245

■ 94, 20.277,
208.137

■ 96, 13.243,
208.170

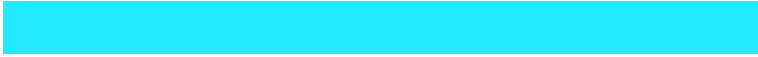
■ 98, 5.650, 208.357

100, 0.012,
296.813

Harmonies

Complementary

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



85, 44.107, 212.198



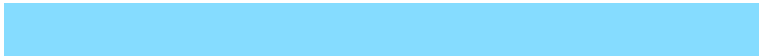
56, 93.363, 39.138

Rectangle

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



85, 44.107, 212.198



85, 44.107, 262.198



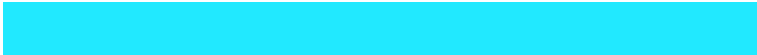
85, 44.107, 32.198



85, 44.107, 82.198

Sweetspot

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



85, 44.107, 211.977



94, 19.545, 208.134



88, 112.526, 137.724



49, 13.073, 208.149



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, 44.107, 211.977



84, 44.645, 214.123



54, 74.642, 286.763



52, 4.505, 208.290



65, 36.006, 213.782



21, 16.729, 211.452

Inverse Universe

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



60, 104.662, 332.029



59, 106.877, 332.644



74, 77.553, 70.687



50, 8.470, 327.732



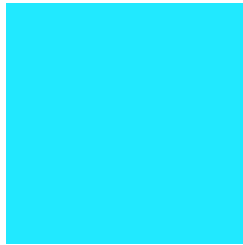
44, 86.198, 332.560



12, 40.023, 331.990

Previews

White Background



This preview shows how the CIE LCh color 85, 44.107, 212.198 looks on a white background.

Color Contrast Check

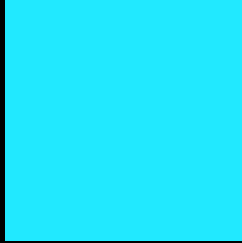
Large Text (above 18pt) WCAG AA × Fail

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, 44.107, 212.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

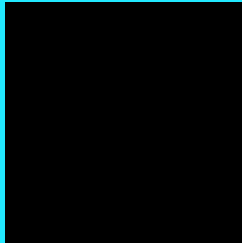
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 44.107, 212.198

Background



This preview shows how black text looks on a background with the CIELCh color 85, 44.107, 212.198.



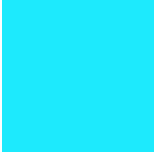
This preview shows how white text looks on a background with the CIELCh color 85, 44.107, 212.198.

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



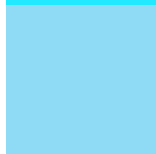


Tritanopia
85, 44.449, 209.886

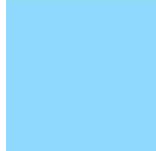
Trichromacy



Original Color
85, 44.057, 212.219



Protanomaly
83, 26.270, 231.284



Deuteranomaly
83, 28.947, 242.617

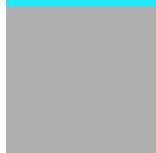


Tritanomaly
85, 44.381, 210.631

Monochromacy



Original Color
85, 44.057, 212.219



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 23.524, 208.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 44.107, 212.198 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(33, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(33, 233, 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(33, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 233, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 44.107, 212.198 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(33, 233, 255) }
```

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

```
.border{ border-color:rgb(33, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(33, 233,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 44.107, 212.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 233, 255) }
```

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

```
.background{ background-color: rgb(33, 233,  
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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