

Converting Colors

CIELCh(84, 44.483, 215.053)

Have a look what the booklet for
CIELCh(84, 44.483, 215.053)
contains.

CIELCh(84, 44.431, 214.283)	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, 44.431, 214.283)

Conversions

Conversions Part 1

Format	Color
Hex	0CE6FF
RGB	12, 230, 255
RGB Percent	5%, 90%, 100%
CMY	0.9530, 0.0969, 0.0000
CMYK	0.95, 0.10, 0.00, 0.00
HSL	186°, 100%, 52%
HSV	186°, 95%, 100%
XYZ	46.6212, 64.0658, 104.7567
YIQ	167.6680, -137.9530, -38.4410

Conversions

Conversions Part 2

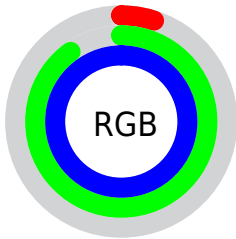
Format	Color
R_{YB}	12, 127, 255
Decimal	845567
CIE _{Lab}	84.00, -36.71, -25.03
CIE _{LCh}	84, 44.431, 214.283
Yxy	64.0658, 0.2164, 0.2974
Android (android.graphics.Color)	4279035647 (0xFF0CE6FF)
YUV	167.6680, 43.0547, -136.5208
Hunter-Lab	80.0411, -36.1017, -21.5692

Details

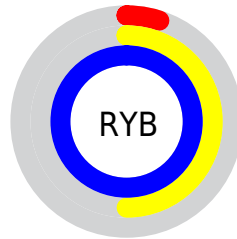
The CIELCh color **84, 44.431, 214.283** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **55, 100.145, 40.463**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **65, 36.382, 218.661** is the 20% darker color. If you saturate the color by 10%, you get **84, 44.511, 214.944**, and if you desaturate by 10%, it is **85, 43.791, 212.421**.

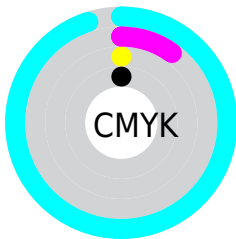
Distribution



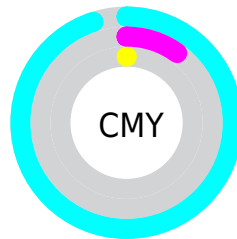
- Red (5%)
- Green (90%)
- Blue (100%)



- Red (5%)
- Yellow (50%)
- Blue (100%)



- Cyan (95%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (95%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 44.431, 214.283 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, 44.431, 214.283 by changing the saturation by 10% instead.

 84, 44.431,
214.283

 84, 44.431,
214.283

 100, 44.431,
214.283

 74, 44.431,
214.283

 64, 44.431,
214.283

 54, 44.431,
214.283

 44, 44.431,
214.283

 34, 44.431,
214.283

 24, 44.431,
214.283

 14, 44.431,

214.283

■ 4, 44.431, 214.283

■ 0, 44.431, 214.283

■ 84, 44.431,
214.283

■ 84, 44.431,
214.283

■ 84, 44.511,
214.944

■ 85, 43.791,
212.421

■ 86, 42.204,
211.118

■ 87, 39.562,
210.134

■ 89, 35.849,
209.429

■ 90, 31.116,

208.960

■ 92, 25.459,
208.689

■ 94, 19.004,
208.583

■ 96, 11.884,
208.618

■ 99, 4.231, 208.837

Harmonies

Complementary

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



84, 44.431, 214.283



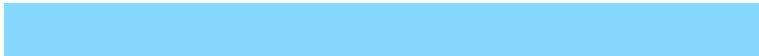
55, 100.145, 40.463

Rectangle

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



84, 44.431, 214.283



84, 44.431, 264.283



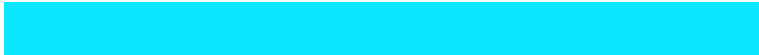
84, 44.431, 34.283



84, 44.431, 84.283

Sweetspot

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



84, 44.427, 214.073



93, 21.477, 208.605



88, 116.055, 137.109



49, 14.480, 208.655



0, 0.000, 0.000



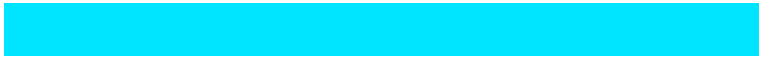
53, 0.007, 296.813

Same Dimension

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



84, 44.427, 214.073



84, 44.511, 214.944



50, 84.712, 291.406



52, 4.490, 208.708



64, 35.897, 214.586



21, 16.677, 212.142

Inverse Universe

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



59, 106.133, 332.611



59, 106.538, 332.845



73, 81.377, 70.038



50, 8.447, 327.854



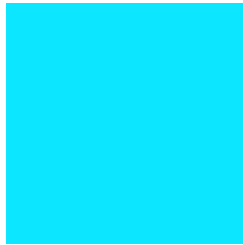
44, 85.929, 332.757



12, 39.913, 332.159

Previews

White Background



This preview shows how the CIE LCh color 84, 44.431, 214.283 looks on a white background.

Color Contrast Check

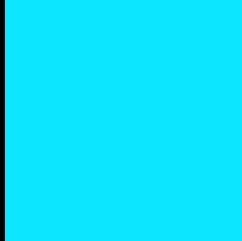
Large Text (above 18pt) WCAG AA × Fail

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, 44.431, 214.283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

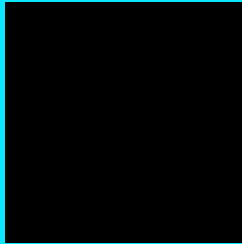
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 44.431, 214.283

Background



This preview shows how black text looks on a background with the CIELCh color 84, 44.431, 214.283.

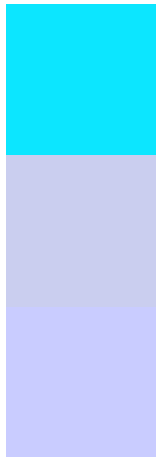


This preview shows how white text looks on a background with the CIELCh color 84, 44.431, 214.283.

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

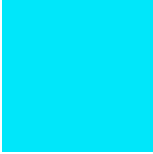
84, 44.388, 214.302

Protanopia

83, 17.467, 287.240

Deuteranopia

83, 26.968, 290.397

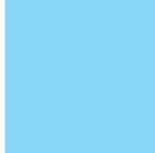


Tritanopia
84, 44.839, 209.759

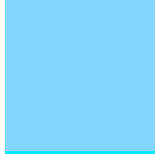
Trichromacy



Original Color
84, 44.388, 214.302



Protanomaly
82, 28.364, 232.441



Deuteranomaly
82, 31.234, 242.736

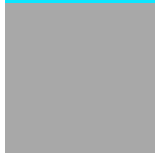


Tritanomaly
84, 44.710, 211.241

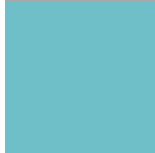
Monochromacy



Original Color
84, 44.388, 214.302



Achromatopsia
69, 0.009, 296.813



Achromatomaly
73, 25.297, 208.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 44.431, 214.283 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(12, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(12, 230, 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(12, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 230, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 44.431, 214.283 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(12, 230, 255) }
```

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

```
.border{ border-color:rgb(12, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(12, 230,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 44.431, 214.283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 230, 255) }
```

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

```
.background{ background-color: rgb(12, 230,  
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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