

Converting Colors

CIELCh(84, 44.508, 212.974)

Have a look what the booklet for
CIELCh(84, 44.508, 212.974)
contains.

CIELCh(84, 44.443, 213.541)	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, 44.443, 213.541)

Conversions

Conversions Part 1

Format	Color
Hex	0CE6FE
RGB	12, 230, 254
RGB Percent	5%, 90%, 100%
CMY	0.9539, 0.0965, 0.0024
CMYK	0.95, 0.09, 0.00, 0.00
HSL	186°, 100%, 52%
HSV	186°, 95%, 100%
XYZ	46.5039, 64.0658, 104.0089
YIQ	167.5540, -137.6320, -38.7520

Conversions

Conversions Part 2

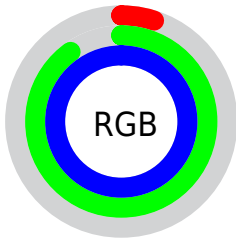
Format	Color
R _Y B	12, 127, 254
Decimal	845566
CIE Lab	84.00, -37.04, -24.56
CIE LCh	84, 44.443, 213.541
Yxy	64.0658, 0.2167, 0.2986
Android (android.graphics.Color)	4279035646 (0xFF0CE6FE)
YUV	167.5540, 42.6179, -136.4209
Hunter-Lab	80.0411, -36.3633, -21.0153

Details

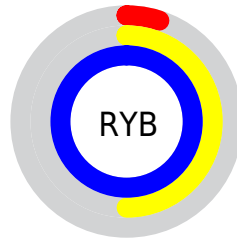
The CIELCh color **84, 44.443, 213.541** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 100.084, 40.414**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **65, 36.334, 217.720** is the 20% darker color. If you saturate the color by 10%, you get **84, 44.523, 214.369**, and if you desaturate by 10%, it is **85, 43.814, 211.942**.

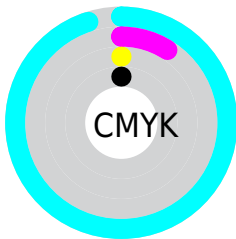
Distribution



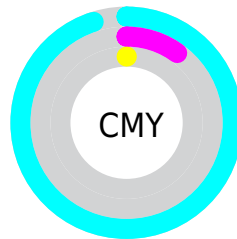
- Red (5%)
- Green (90%)
- Blue (100%)



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



- Cyan (95%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 44.443, 213.541 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, 44.443, 213.541 by changing the saturation by 10% instead.


 84, 44.443,
213.541


 84, 44.443,
213.541


 100, 44.443,
213.541


 74, 44.443,
213.541

 64, 44.443,
213.541

 54, 44.443,
213.541

 44, 44.443,
213.541

 34, 44.443,
213.541

 24, 44.443,
213.541

 14, 44.443,

213.541

■ 4, 44.443, 213.541

■ 0, 44.443, 213.541

■ 84, 44.443,
213.541

■ 84, 44.443,
213.541

■ 84, 44.523,
214.369

■ 85, 43.814,
211.942

■ 86, 42.235,
210.682

■ 87, 39.600,
209.734

■ 89, 35.894,
209.057

■ 90, 31.167,

208.611

■ 92, 25.515,
208.359

■ 94, 19.063,
208.269

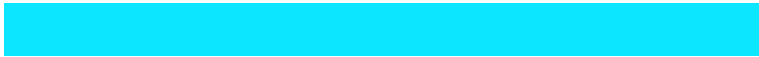
■ 96, 11.944,
208.318

■ 98, 4.291, 208.548

Harmonies

Complementary

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



84, 44.443, 213.541



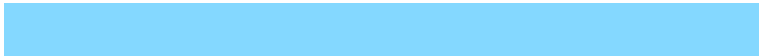
54, 100.084, 40.414

Rectangle

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



84, 44.443, 213.541



84, 44.443, 263.541



84, 44.443, 33.541



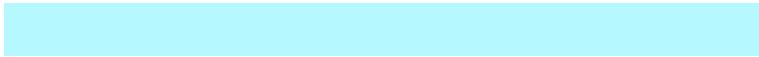
84, 44.443, 83.541

Sweetspot

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



84, 44.442, 213.540



93, 21.528, 208.285



88, 116.485, 136.884



49, 14.514, 208.328



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, 44.442, 213.540



84, 44.604, 214.371



51, 82.114, 290.202



52, 4.500, 208.417



64, 35.973, 214.025



21, 16.713, 211.661

Inverse Universe

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



59, 106.174, 332.480



59, 106.774, 332.705



72, 81.426, 68.487



50, 8.463, 327.769



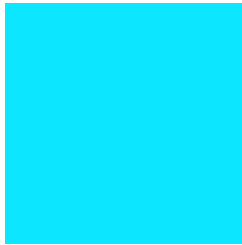
44, 86.117, 332.620



12, 39.990, 332.041

Previews

White Background



This preview shows how the CIELCh color 84, 44.443, 213.541 looks on a white background.

Color Contrast Check

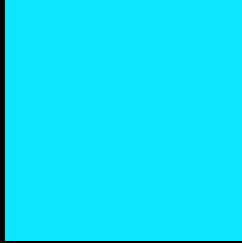
Large Text (above 18pt) WCAG AA × Fail

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, 44.443, 213.541 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, 44.443, 213.541

Background



This preview shows how black text looks on a background with the CIELCh color 84, 44.443, 213.541.



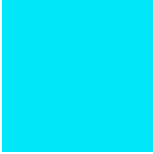
This preview shows how white text looks on a background with the CIELCh color 84, 44.443, 213.541.

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



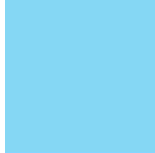


Tritanopia
84, 44.839, 209.759

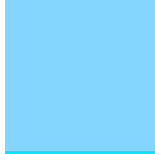
Trichromacy



Original Color
84, 44.379, 213.569



Protanomaly
82, 28.149, 231.416



Deuteranomaly
82, 31.234, 242.736

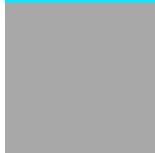


Tritanomaly
84, 44.710, 211.241

Monochromacy



Original Color
84, 44.379, 213.569



Achromatopsia
69, 0.009, 296.813



Achromatomaly
73, 25.291, 207.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 44.443, 213.541 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(12, 230, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 230, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 44.443, 213.541 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, 254) }
```

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

```
.border{ border-color:rgb(12, 230, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 230, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 230, 254);  
box-shadow:4px 4px 4px 4px rgb(12, 230,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 44.443, 213.541 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, 254) }
```

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

```
.background{ background-color: rgb(12, 230,  
254) }
```

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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