

Converting Colors

CIELCh(84, 42.556, 214.553)

Have a look what the booklet for
CIELCh(84, 42.556, 214.553)
contains.

CIELCh(84, 42.523, 215.209)	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, 42.523, 215.209)

Conversions

Conversions Part 1

Format	Color
Hex	31E5FE
RGB	49, 229, 254
RGB Percent	19%, 90%, 100%
CMY	0.8087, 0.1005, 0.0025
CMYK	0.81, 0.10, 0.00, 0.00
HSL	187°, 99%, 59%
HSV	187°, 81%, 100%
XYZ	47.3228, 64.0658, 103.9469
YIQ	178.0300, -115.3050, -30.3850

Conversions

Conversions Part 2

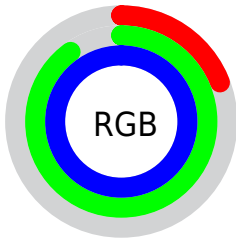
Format	Color
R _Y B	49, 145, 254
Decimal	3270142
CIE Lab	84.00, -34.74, -24.52
CIE LCh	84, 42.523, 215.209
Yxy	64.0658, 0.2198, 0.2975
Android (android.graphics.Color)	4281460222 (0xFF31E5FE)
YUV	178.0300, 37.4532, -113.1593
Hunter-Lab	80.0411, -34.5371, -20.9693

Details

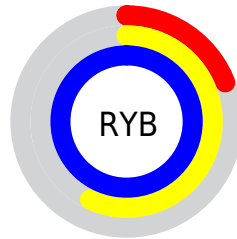
The CIELCh color **84, 42.523, 215.209** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **58, 85.537, 38.748**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **65, 36.234, 218.782** is the 20% darker color. If you saturate the color by 10%, you get **83, 43.580, 217.073**, and if you desaturate by 10%, it is **85, 40.480, 213.749**.

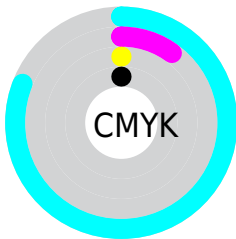
Distribution



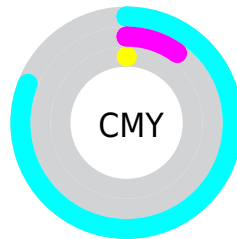
- Red (19%)
- Green (90%)
- Blue (100%)



- Red (19%)
- Yellow (57%)
- Blue (100%)



- Cyan (81%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 42.523, 215.209 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, 42.523, 215.209 by changing the saturation by 10% instead.

 84, 42.523,
215.209

 84, 42.523,
215.209

 100, 42.523,
215.209


 74, 42.523,
215.209

 64, 42.523,
215.209

 54, 42.523,
215.209

 44, 42.523,
215.209

 34, 42.523,
215.209

 24, 42.523,
215.209

 14, 42.523,

215.209

■ 4, 42.523, 215.209

■ 0, 42.523, 215.209

■ 84, 42.523,
215.209

■ 84, 42.523,
215.209

■ 83, 43.580,
217.073

■ 85, 40.480,
213.749

■ 82, 43.884,
219.125

■ 87, 37.392,
212.647

■ 88, 33.270,
211.851

■ 90, 28.189,
211.310

■ 92, 22.259,

210.979

■ 95, 15.607,
210.821

■ 97, 8.365, 210.821

■ 100, 0.656,
211.824

■ 100, 0.308,
109.904

Harmonies

Complementary

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



84, 42.523, 215.209



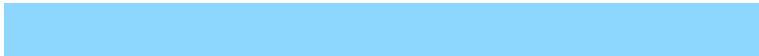
58, 85.537, 38.748

Rectangle

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



84, 42.523, 215.209



84, 42.523, 265.209



84, 42.523, 35.209



84, 42.523, 85.209

Sweetspot

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



84, 42.522, 215.208



94, 17.824, 210.854



88, 106.037, 139.203



49, 12.084, 210.910



0, 0.000, 0.000



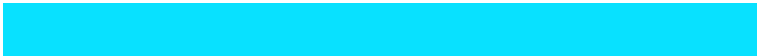
53, 0.007, 296.813

Same Dimension

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



84, 42.522, 215.208



82, 43.896, 218.439



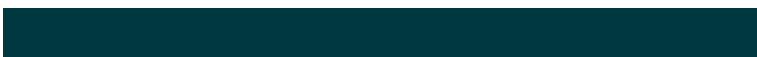
55, 72.839, 286.849



52, 4.417, 210.836



63, 35.450, 218.686



21, 16.453, 215.660

Inverse Universe

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



61, 100.066, 332.741



59, 104.651, 333.693



77, 73.449, 75.045



50, 8.330, 328.474



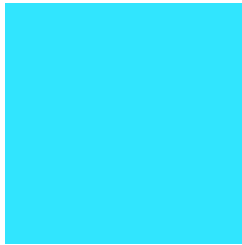
44, 84.602, 333.767



12, 39.368, 333.021

Previews

White Background



This preview shows how the CIE LCh color 84, 42.523, 215.209 looks on a white background.

Color Contrast Check

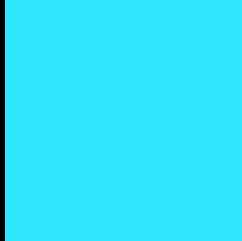
Large Text (above 18pt) WCAG AA × Fail

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, 42.523, 215.209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

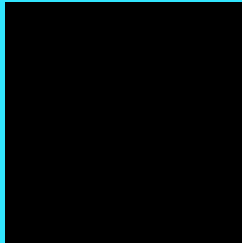
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 42.523, 215.209

Background



This preview shows how black text looks on a background with the CIELCh color 84, 42.523, 215.209.



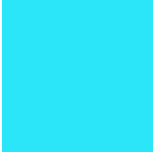
This preview shows how white text looks on a background with the CIELCh color 84, 42.523, 215.209.

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



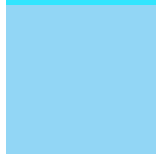


Tritanopia
84, 43.018, 210.430

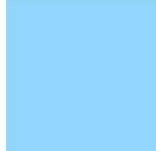
Trichromacy



Original Color
84, 42.447, 215.247



Protanomaly
82, 25.817, 238.116



Deuteranomaly
82, 29.094, 248.810

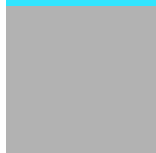


Tritanomaly
84, 42.856, 211.994

Monochromacy



Original Color
84, 42.447, 215.247



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 21.698, 210.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 42.523, 215.209 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(49, 229, 254)` looks like.

```
.text, #text, p{  
    color:rgb(49, 229, 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(49, 229, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 229, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 42.523, 215.209 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(49, 229, 254) }
```

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

```
.border{ border-color:rgb(49, 229, 254) }
```

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

Here you see how a box with a 4 pixel rgb(49, 229, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 229, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 229, 254);  
box-shadow:4px 4px 4px 4px rgb(49, 229,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 42.523, 215.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 229, 254) }
```

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

```
.background{ background-color: rgb(49, 229,  
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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