

Converting Colors

CIELCh(85, 42.971, 203.736)

Have a look what the booklet for
CIELCh(85, 42.971, 203.736)
contains.

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Color

CIELCh(85, 43.013, 203.818)

Conversions

Conversions Part 1

Format	Color
Hex	37EAF4
RGB	55, 234, 244
RGB Percent	22%, 92%, 96%
CMY	0.7825, 0.0836, 0.0443
CMYK	0.77, 0.04, 0.00, 0.04
HSL	183°, 89%, 59%
HSV	183°, 77%, 96%
XYZ	47.2169, 66.0070, 95.5940
YIQ	181.6190, -109.8940, -34.8380

Conversions

Conversions Part 2

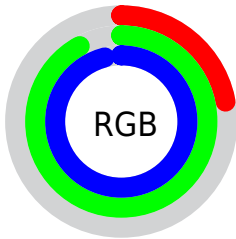
Format	Color
RYB	55, 147, 244
Decimal	3664628
CIELab	85.00, -39.35, -17.37
CIELCh	85, 43.013, 203.818
Yxy	66.0070, 0.2261, 0.3161
Android (android.graphics.Color)	4281854708 (0xFF37EAF4)
YUV	181.6190, 30.7538, -111.0449
Hunter-Lab	81.2447, -38.4395, -12.8904

Details

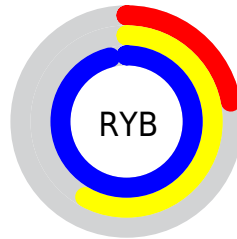
The CIELCh color **85, 43.013, 203.818** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **55, 81.226, 35.055**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.800, 197.221**, and **66, 37.146, 205.267** is the 20% darker color. If you saturate the color by 10%, you get **84, 44.474, 204.404**, and if you desaturate by 10%, it is **86, 40.516, 203.412**.

Distribution



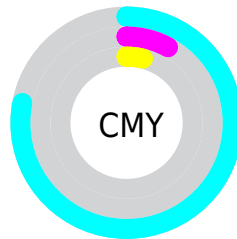
- Red (22%)
- Green (92%)
- Blue (96%)



- Red (22%)
- Yellow (58%)
- Blue (96%)



- Cyan (77%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)





- Cyan (78%)
- Magenta (8%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 43.013, 203.818 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, 43.013, 203.818 by changing the saturation by 10% instead.


 85, 43.013,
203.818


 85, 43.013,
203.818


 100, 43.013,
203.818


 75, 43.013,
203.818

 65, 43.013,
203.818

 55, 43.013,
203.818

 45, 43.013,
203.818

 35, 43.013,
203.818

 25, 43.013,
203.818

 15, 43.013,

203.818

■ 5, 43.013, 203.818

■ 0, 43.013, 203.818

■ 85, 43.013,
203.818

■ 85, 43.013,
203.818

■ 84, 44.474,
204.404

■ 86, 40.516,
203.412

■ 84, 45.024,
205.177

■ 87, 36.954,
203.174

■ 84, 45.093,
205.409

■ 88, 32.363,
203.086

■ 89, 26.828,
203.128

■ 91, 20.466,

203.284

■ 93, 13.409,
203.541

■ 95, 5.793, 203.920

■ 97, 2.258, 23.898

■ 97, 3.522, 33.252

Harmonies

Complementary

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



85, 43.013, 203.818



55, 81.226, 35.055

Rectangle

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



85, 43.013, 203.818



85, 43.013, 253.818



85, 43.013, 23.818



85, 43.013, 73.818

Sweetspot

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



85, 43.012, 203.817



95, 18.204, 203.380



85, 103.192, 138.249



50, 12.435, 203.296



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, 43.012, 203.817



88, 46.467, 204.845



58, 59.944, 279.730



50, 4.537, 203.817



66, 36.878, 205.248



20, 16.534, 203.995

Inverse Universe

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



60, 99.403, 329.833



60, 109.791, 330.327



72, 67.684, 69.763



48, 8.447, 326.411



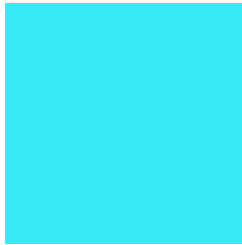
44, 87.504, 330.465



11, 39.121, 330.155

Previews

White Background



This preview shows how the CIE LCh color 85, 43.013, 203.818 looks on a white background.

Color Contrast Check

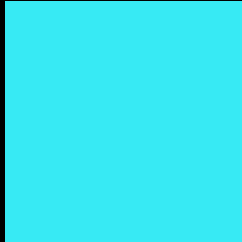
Large Text (above 18pt) WCAG AA × Fail

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, 43.013, 203.818 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, 43.013, 203.818

Background



This preview shows how black text looks on a background with the CIELCh color 85, 43.013, 203.818.

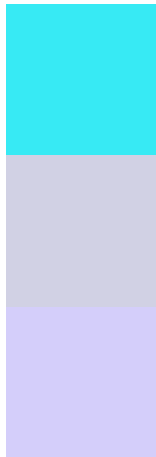


This preview shows how white text looks on a background with the CIELCh color 85, 43.013, 203.818.

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](#).

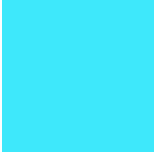
Dichromacy



Original Color
85, 43.107, 203.797

Protanopia
84, 10.020, 291.038

Deuteranopia
85, 23.346, 297.051

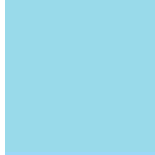


Tritanopia
85, 41.727, 210.923

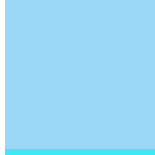
Trichromacy



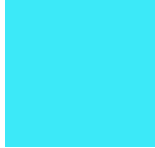
Original Color
85, 43.107, 203.797



Protanomaly
83, 21.975, 220.917



Deuteranomaly
83, 24.702, 241.968

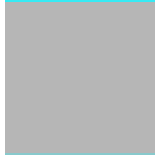


Tritanomaly
85, 42.185, 207.724

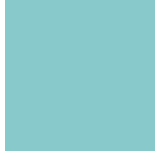
Monochromacy



Original Color
85, 43.107, 203.797



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 21.369, 202.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 43.013, 203.818 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(55, 234, 244)` looks like.

```
.text, #text, p{  
    color:rgb(55, 234, 244)  
}
```

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(55, 234, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 234, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 43.013, 203.818 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(55, 234, 244) }
```

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

```
.border{ border-color:rgb(55, 234, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 234, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 234, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 234, 244);  
box-shadow:4px 4px 4px 4px rgb(55, 234,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 43.013, 203.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 234, 244) }
```

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

```
.background{ background-color: rgb(55, 234,  
244) }
```

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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