

Converting Colors

CIELCh(85, 29.677, 208.808)

Have a look what the booklet for
CIELCh(85, 29.677, 208.808)
contains.

CIELCh(85, 29.714, 208.872)	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, 29.714, 208.872)

Conversions

Conversions Part 1

Format	Color
Hex	81E3EE
RGB	129, 227, 238
RGB Percent	51%, 89%, 93%
CMY	0.4928, 0.1085, 0.0653
CMYK	0.46, 0.05, 0.00, 0.07
HSL	186°, 77%, 72%
HSV	186°, 46%, 93%
XYZ	52.1472, 66.0070, 91.1389
YIQ	198.9520, -61.9390, -17.3550

Conversions

Conversions Part 2

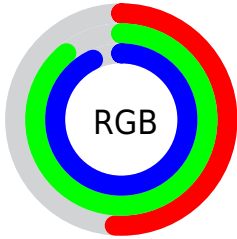
Format	Color
RYB	129, 181, 238
Decimal	8512494
CIELab	85.00, -26.02, -14.35
CIELCh	85, 29.714, 208.872
Yxy	66.0070, 0.2492, 0.3154
Android (android.graphics.Color)	4286702574 (0xFF81E3EE)
YUV	198.9520, 19.2507, -61.3479
Hunter-Lab	81.2447, -27.6074, -9.6392

Details

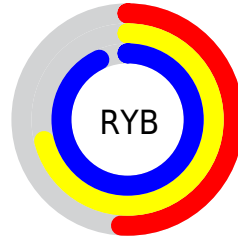
The CIELCh color **85, 29.714, 208.872** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **69, 42.195, 31.414**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.978, 198.063**, and **65, 29.625, 209.173** is the 20% darker color. If you saturate the color by 10%, you get **83, 34.175, 209.335**, and if you desaturate by 10%, it is **87, 24.379, 208.600**.

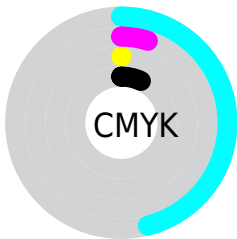
Distribution



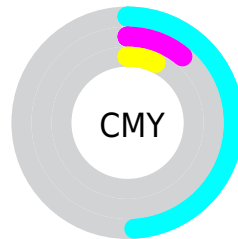
- Red (51%)
- Green (89%)
- Blue (93%)



- Red (51%)
- Yellow (71%)
- Blue (93%)



- Cyan (46%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)





- Cyan (49%)
- Magenta (11%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 29.714, 208.872 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, 29.714, 208.872 by changing the saturation by 10% instead.


 85, 29.714,
208.872


 85, 29.714,
208.872


 100, 29.714,
208.872


 75, 29.714,
208.872

 65, 29.714,
208.872

 55, 29.714,
208.872

 45, 29.714,
208.872

 35, 29.714,
208.872

 25, 29.714,
208.872

 15, 29.714,

208.872

■ 5, 29.714, 208.872

■ 0, 29.714, 208.872

■ 85, 29.714,
208.872

■ 85, 29.714,
208.872

■ 83, 34.175,
209.335

■ 87, 24.379,
208.600

■ 82, 37.671,
210.035

■ 89, 18.286,
208.495

■ 81, 40.155,
211.010

■ 91, 11.561,
208.529

■ 80, 41.645,
212.300

■ 93, 4.328, 208.738

■ 79, 42.238,

■ 95, 3.298, 28.597

213.934

96, 5.039, 39.895

79, 42.327,
214.706

97, 4.868, 57.124

98, 5.145, 73.956

98, 5.806, 87.973

Harmonies

Complementary

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



85, 29.714, 208.872



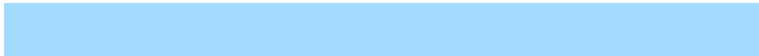
69, 42.195, 31.414

Rectangle

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



85, 29.714, 208.872



85, 29.714, 258.872



85, 29.714, 28.872



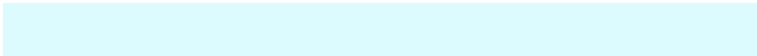
85, 29.714, 78.872

Sweetspot

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



85, 29.714, 208.870



97, 10.924, 208.549



86, 63.742, 143.466



51, 7.493, 208.525



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

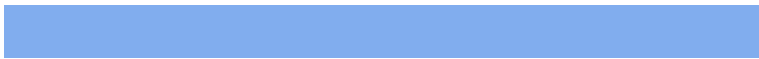
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 29.714, 208.870



89, 35.745, 209.305



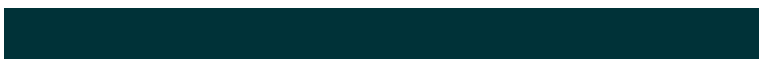
70, 37.343, 273.828



49, 4.271, 208.627



62, 34.851, 214.369



18, 15.389, 211.586

Inverse Universe

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



69, 63.458, 329.981



69, 78.802, 330.516



81, 39.320, 79.264



47, 8.033, 327.826



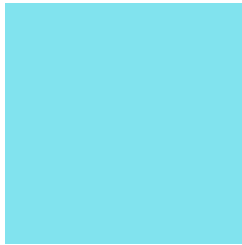
43, 83.428, 332.704



10, 36.822, 332.023

Previews

White Background



This preview shows how the CIE LCh color 85, 29.714, 208.872 looks on a white background.

Color Contrast Check

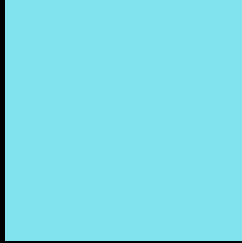
Large Text (above 18pt) WCAG AA × Fail

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, 29.714, 208.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

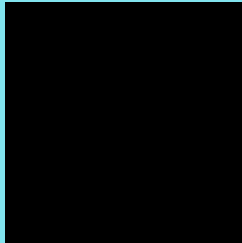
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 29.714, 208.872

Background



This preview shows how black text looks on a background with the CIELCh color 85, 29.714, 208.872.




This preview shows how white text looks on a background with the CIELCh color 85, 29.714, 208.872.

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



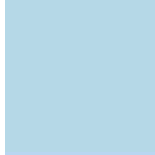


Tritanopia
85, 29.426, 217.736

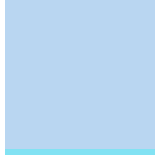
Trichromacy



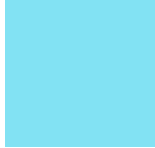
Original Color
85, 29.714, 208.872



Protanomaly
84, 13.921, 233.513



Deuteranomaly
84, 16.867, 256.884

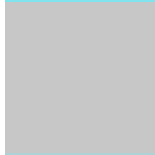


Tritanomaly
85, 29.489, 215.472

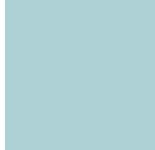
Monochromacy



Original Color
85, 29.714, 208.872



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 12.173, 208.688

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 29.714, 208.872 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(129, 227, 238)` looks like.

```
.text, #text, p{  
    color:rgb(129, 227, 238)  
}
```

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(129, 227, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 227, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 29.714, 208.872 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(129, 227, 238) }
```

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

```
.border{ border-color:rgb(129, 227, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 227, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 227, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 227, 238);  
box-shadow:4px 4px 4px 4px rgb(129, 227,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 29.714, 208.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 227, 238) }
```

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

```
.background{ background-color: rgb(129,  
227, 238) }
```

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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