

Converting Colors

CIELCh(86, 45.672, 207.434)

Have a look what the booklet for
CIELCh(86, 45.672, 207.434)
contains.

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Color

CIELCh(86, 45.624, 207.383)

Conversions

Conversions Part 1

Format	Color
Hex	0DEDFD
RGB	13, 237, 253
RGB Percent	5%, 93%, 99%
CMY	0.9473, 0.0691, 0.0064
CMYK	0.95, 0.06, 0.00, 0.01
HSL	184°, 99%, 52%
HSV	184°, 95%, 99%
XYZ	48.3520, 67.9871, 103.8129
YIQ	171.8480, -138.6400, -42.5120

Conversions

Conversions Part 2

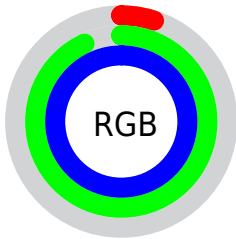
Format	Color
RYB	13, 129, 253
Decimal	912893
CIELab	86.00, -40.51, -20.98
CIELCh	86, 45.624, 207.383
Yxy	67.9871, 0.2196, 0.3088
Android (android.graphics.Color)	4279102973 (0xFF0DEDFD)
YUV	171.8480, 40.0079, -139.3097
Hunter-Lab	82.4543, -39.6208, -16.9302

Details

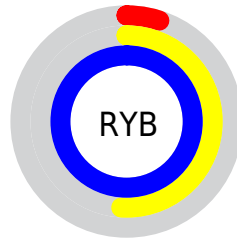
The CIELCh color **86, 45.624, 207.383** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 100.165, 39.756**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **67, 37.177, 210.633** is the 20% darker color. If you saturate the color by 10%, you get **86, 45.732, 207.971**, and if you desaturate by 10%, it is **87, 44.897, 206.414**.

Distribution



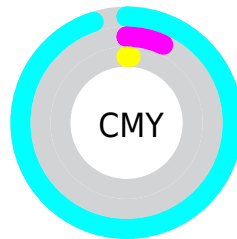
- Red (5%)
- Green (93%)
- Blue (99%)



- Red (5%)
- Yellow (51%)
- Blue (99%)



- Cyan (95%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)





- Cyan (95%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 45.624, 207.383 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 86, 45.624, 207.383 by changing the saturation by 10% instead.


 86, 45.624,
207.383


 86, 45.624,
207.383


 100, 45.624,
207.383


 76, 45.624,
207.383

 66, 45.624,
207.383

 56, 45.624,
207.383

 46, 45.624,
207.383

 36, 45.624,
207.383

 26, 45.624,
207.383

 16, 45.624,

207.383

■ 6, 45.624, 207.383

■ 0, 45.624, 207.383

■ 86, 45.624,
207.383

■ 86, 45.624,
207.383

■ 86, 45.732,
207.971

■ 87, 44.897,
206.414

■ 87, 43.188,
205.676

■ 88, 40.400,
205.153

■ 90, 36.521,
204.824

■ 91, 31.604,

204.662

■ 93, 25.747,
204.646

■ 94, 19.078,
204.754

■ 96, 11.733,
204.974

■ 98, 3.849, 205.366

Harmonies

Complementary

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



86, 45.624, 207.383



54, 100.165, 39.756

Rectangle

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



86, 45.624, 207.383



86, 45.624, 257.383



86, 45.624, 27.383



86, 45.624, 77.383

Sweetspot

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



86, 45.623, 207.382



94, 21.476, 204.706



87, 116.423, 136.745



50, 14.569, 204.661



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 45.623, 207.382



86, 45.953, 207.975



52, 78.767, 288.606



52, 4.631, 205.138



66, 37.058, 207.758



22, 17.199, 206.274

Inverse Universe

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



59, 108.420, 330.965



59, 109.564, 331.137



71, 81.146, 67.182



50, 8.654, 326.805



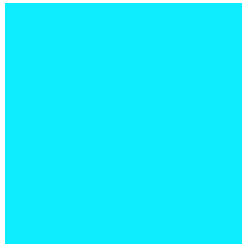
45, 88.328, 331.084



12, 40.892, 330.719

Previews

White Background



This preview shows how the CIE LCh color 86, 45.624, 207.383 looks on a white background.

Color Contrast Check

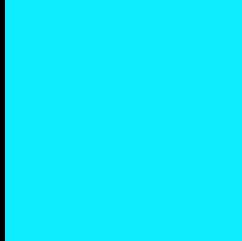
Large Text (above 18pt) WCAG AA × Fail

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 86, 45.624, 207.383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

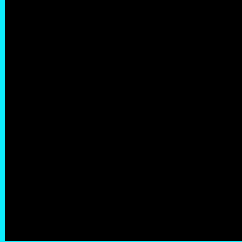
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

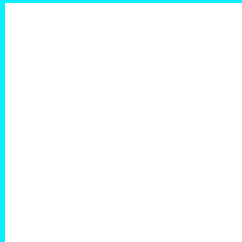
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 45.624, 207.383

Background



This preview shows how black text looks on a background with the CIELCh color 86, 45.624, 207.383.

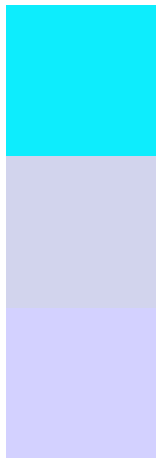


This preview shows how white text looks on a background with the CIELCh color 86, 45.624, 207.383.

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

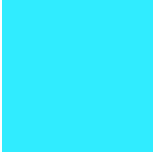
86, 45.578, 207.397

Protanopia

85, 13.152, 288.300

Deuteranopia

85, 24.242, 293.761

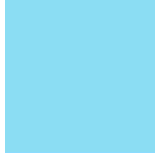


Tritanopia
86, 43.611, 210.182

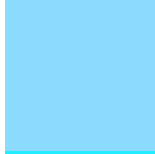
Trichromacy



Original Color
86, 45.578, 207.397



Protanomaly
84, 26.890, 223.720



Deuteranomaly
84, 29.181, 237.802

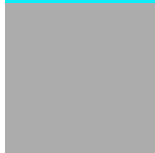


Tritanomaly
86, 44.482, 209.152

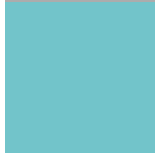
Monochromacy



Original Color
86, 45.578, 207.397



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 25.822, 204.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 45.624, 207.383 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(13, 237, 253)` looks like.

```
.text, #text, p{  
    color:rgb(13, 237, 253)  
}
```

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(13, 237, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 237, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 45.624, 207.383 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(13, 237, 253) }
```

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

```
.border{ border-color:rgb(13, 237, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 237, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 237, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 237, 253);  
box-shadow:4px 4px 4px 4px rgb(13, 237,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 45.624, 207.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 237, 253) }
```

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

```
.background{ background-color: rgb(13, 237,  
253) }
```

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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