

Converting Colors

CIELCh(86, 45.631, 209.271)

Have a look what the booklet for
CIELCh(86, 45.631, 209.271)
contains.

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Color

CIELCh(86, 45.621, 208.771)

Conversions

Conversions Part 1

Format	Color
Hex	09EDFF
RGB	9, 237, 255
RGB Percent	4%, 93%, 100%
CMY	0.9660, 0.0697, 0.0000
CMYK	0.97, 0.07, 0.00, 0.00
HSL	184°, 100%, 52%
HSV	184°, 97%, 100%
XYZ	48.5423, 67.9871, 105.3611
YIQ	170.8800, -141.6660, -42.7380

Conversions

Conversions Part 2

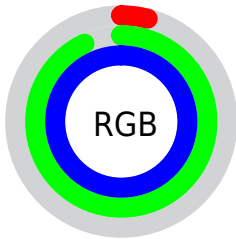
Format	Color
RYB	9, 127, 255
Decimal	650751
CIELab	86.00, -39.99, -21.96
CIELCh	86, 45.621, 208.771
Yxy	67.9871, 0.2188, 0.3064
Android (android.graphics.Color)	4278840831 (0xFF09EDFF)
YUV	170.8800, 41.4712, -141.9688
Hunter-Lab	82.4543, -39.2089, -18.0434

Details

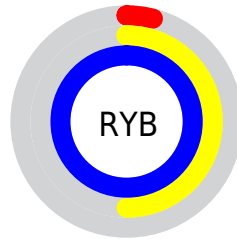
The CIELCh color **86, 45.621, 208.771** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **54, 101.690, 40.073**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **67, 37.149, 212.466** is the 20% darker color. If you saturate the color by 10%, you get **86, 45.690, 209.028**, and if you desaturate by 10%, it is **87, 45.081, 207.496**.

Distribution



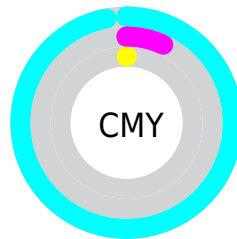
- Red (4%)
- Green (93%)
- Blue (100%)



- Red (4%)
- Yellow (50%)
- Blue (100%)



- Cyan (97%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (97%)
- Magenta (7%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 45.621, 208.771 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, 45.621, 208.771 by changing the saturation by 10% instead.


 86, 45.621,
208.771


 86, 45.621,
208.771


 100, 45.621,
208.771


 76, 45.621,
208.771

 66, 45.621,
208.771

 56, 45.621,
208.771

 46, 45.621,
208.771

 36, 45.621,
208.771

 26, 45.621,
208.771

 16, 45.621,

208.771

■ 6, 45.621, 208.771

■ 0, 45.621, 208.771

■ 86, 45.621,
208.771

■ 86, 45.621,
208.771

■ 86, 45.690,
209.028

■ 87, 45.081,
207.496

■ 87, 43.580,
206.629

■ 88, 41.008,
205.998

■ 90, 37.340,
205.576

■ 91, 32.617,

205.339

■ 93, 26.932,
205.259

■ 94, 20.407,
205.312

■ 96, 13.180,
205.483

■ 99, 5.388, 205.796

Harmonies

Complementary

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



86, 45.621, 208.771



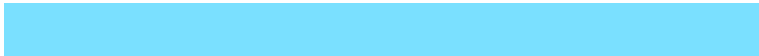
54, 101.690, 40.073

Rectangle

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



86, 45.621, 208.771



86, 45.621, 258.771



86, 45.621, 28.771



86, 45.621, 78.771

Sweetspot

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



86, 45.628, 208.611



94, 22.044, 205.288



88, 117.666, 136.599



49, 14.861, 205.263



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, 45.628, 208.611



86, 45.690, 209.028



51, 80.883, 289.426



52, 4.608, 205.681



66, 36.847, 208.789



22, 17.107, 207.162

Inverse Universe

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



60, 108.721, 331.277



59, 109.084, 331.396



71, 82.266, 66.592



50, 8.622, 326.966



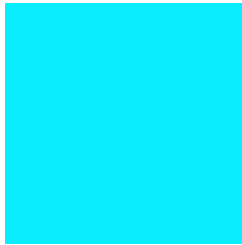
45, 87.948, 331.337



12, 40.738, 330.937

Previews

White Background



This preview shows how the CIE LCh color 86, 45.621, 208.771 looks on a white background.

Color Contrast Check

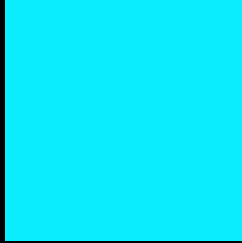
Large Text (above 18pt) WCAG AA × Fail

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, 45.621, 208.771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

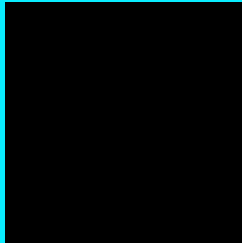
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 45.621, 208.771

Background



This preview shows how black text looks on a background with the CIELCh color 86, 45.621, 208.771.

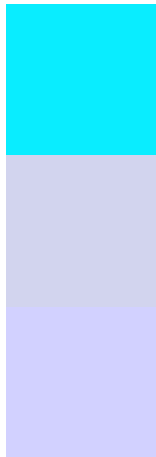


This preview shows how white text looks on a background with the CIELCh color 86, 45.621, 208.771.

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

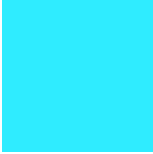
86, 45.580, 208.784

Protanopia

85, 13.677, 288.464

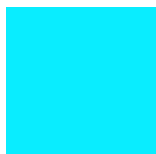
Deuteranopia

85, 24.231, 292.982

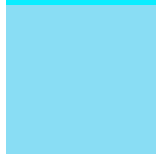


Tritanopia
86, 43.685, 210.155

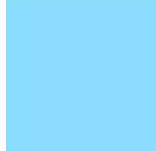
Trichromacy



Original Color
86, 45.580, 208.784



Protanomaly
84, 27.481, 224.346

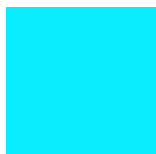


Deuteranomaly
84, 29.812, 238.120

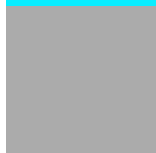


Tritanomaly
86, 44.561, 209.839

Monochromacy



Original Color
86, 45.580, 208.784



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 26.045, 205.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 45.621, 208.771 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(9, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(9, 237, 255)  
}
```

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(9, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 237, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 45.621, 208.771 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(9, 237, 255) }
```

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

```
.border{ border-color:rgb(9, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(9, 237,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 45.621, 208.771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 237, 255) }
```

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

```
.background{ background-color: rgb(9, 237,  
255) }
```

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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