

Converting Colors

CIELCh(86, 33.624, 220.035)

Have a look what the booklet for
CIELCh(86, 33.624, 220.035)
contains.

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Color

CIELCh(86, 33.758, 219.642)

Conversions

Conversions Part 1

Format	Color
Hex	75E7FF
RGB	117, 231, 255
RGB Percent	46%, 91%, 100%
CMY	0.5422, 0.0950, 0.0009
CMYK	0.54, 0.09, 0.00, 0.00
HSL	190°, 100%, 73%
HSV	190°, 54%, 100%
XYZ	53.8219, 67.9871, 104.6904
YIQ	199.6500, -75.6480, -16.7040

Conversions

Conversions Part 2

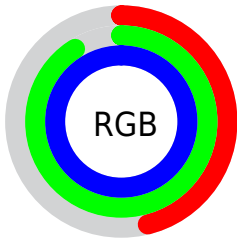
Format	Color
R_{YB}	117, 179, 255
Decimal	7727103
CIE _{Lab}	86.00, -26.00, -21.54
CIE _{LCh}	86, 33.758, 219.642
Yxy	67.9871, 0.2376, 0.3002
Android (android.graphics.Color)	4285917183 (0xFF75E7FF)
YUV	199.6500, 27.2876, -72.4840
Hunter-Lab	82.4543, -27.7795, -17.5612

Details

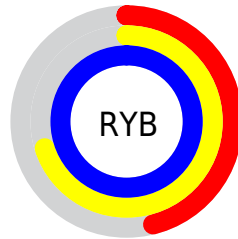
The CIELCh color **86, 33.758, 219.642** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **71, 51.839, 38.016**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.551, 197.904**, and **66, 33.685, 219.602** is the 20% darker color. If you saturate the color by 10%, you get **84, 37.531, 221.127**, and if you desaturate by 10%, it is **88, 29.062, 218.530**.

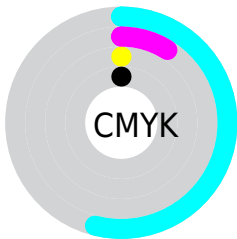
Distribution



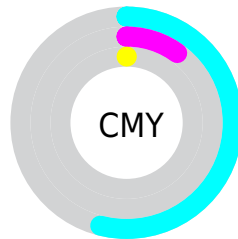
- Red (46%)
- Green (91%)
- Blue (100%)



- Red (46%)
- Yellow (70%)
- Blue (100%)



- Cyan (54%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (10%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 33.758, 219.642 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, 33.758, 219.642 by changing the saturation by 10% instead.


 86, 33.758,
219.642


 86, 33.758,
219.642


 100, 33.758,
219.642


 76, 33.758,
219.642

 66, 33.758,
219.642

 56, 33.758,
219.642

 46, 33.758,
219.642

 36, 33.758,
219.642

 26, 33.758,
219.642

 16, 33.758,

219.642

■ 6, 33.758, 219.642

■ 0, 33.758, 219.642

■ 86, 33.758,
219.642

■ 86, 33.758,
219.642

■ 84, 37.531,
221.127

■ 88, 29.062,
218.530

■ 82, 40.336,
223.068

■ 91, 23.538,
217.728

■ 80, 42.193,
225.539

■ 93, 17.300,
217.173

■ 79, 43.216,
228.598

■ 96, 10.470,
216.827

■ 78, 43.566,

■ 99, 3.165, 216.751

230.602

100, 0.110,
109.468

Harmonies

Complementary

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



86, 33.758, 219.642



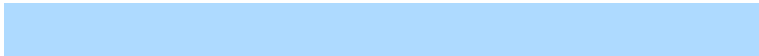
71, 51.839, 38.016

Rectangle

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



86, 33.758, 219.642



86, 33.758, 269.642



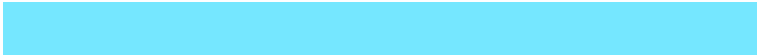
86, 33.758, 39.642



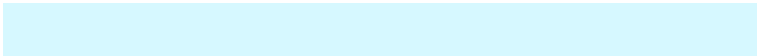
86, 33.758, 89.642

Sweetspot

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



86, 33.757, 219.640



95, 11.765, 216.875



90, 75.004, 144.384



50, 7.893, 216.938



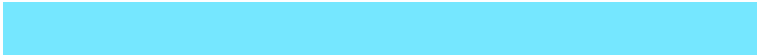
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 33.757, 219.640



84, 37.828, 221.270



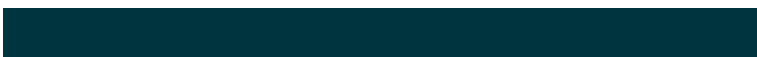
67, 51.475, 281.574



52, 4.257, 216.737



60, 35.097, 229.941



20, 16.143, 225.379

Inverse Universe

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



69, 74.034, 333.164



65, 85.416, 333.928



86, 51.539, 83.810



50, 8.030, 330.189



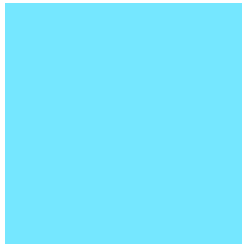
44, 81.262, 336.630



12, 37.987, 335.447

Previews

White Background



This preview shows how the CIE LCh color 86, 33.758, 219.642 looks on a white background.

Color Contrast Check

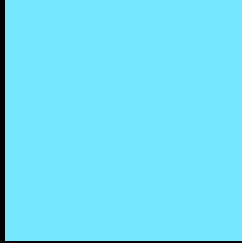
Large Text (above 18pt) WCAG AA × Fail

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, 33.758, 219.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

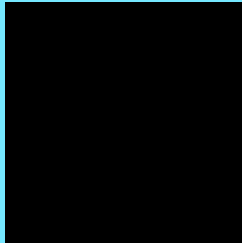
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 86, 33.758, 219.642

Background



This preview shows how black text looks on a background with the CIELCh color 86, 33.758, 219.642.



This preview shows how white text looks on a background with the CIELCh color 86, 33.758, 219.642.

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
86, 33.936, 213.713

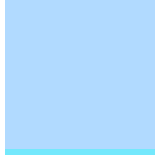
Trichromacy



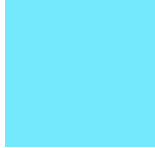
Original Color
86, 33.758, 219.642



Protanomaly
85, 19.984, 246.495



Deuteranomaly
85, 22.924, 257.397

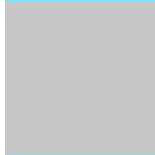


Tritanomaly
86, 33.844, 215.674

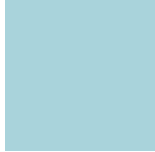
Monochromacy



Original Color
86, 33.758, 219.642



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 14.652, 215.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 33.758, 219.642 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(117, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 231, 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(117, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 231, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 33.758, 219.642 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(117, 231, 255) }
```

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

```
.border{ border-color:rgb(117, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 231,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 33.758, 219.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 231, 255) }
```

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

```
.background{ background-color: rgb(117,  
231, 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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