

Converting Colors

CIELCh(85, 36.565, 219.547)

Have a look what the booklet for
CIELCh(85, 36.565, 219.547)
contains.

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Color

CIELCh(85, 36.477, 219.620)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 64E5FF |
| RGB | 100, 229, 255 |
| RGB Percent | 39%, 90%, 100% |
| CMY | 0.6075, 0.1017, 0.0000 |
| CMYK | 0.61, 0.10, 0.00, 0.00 |
| HSL | 190°, 100%, 70% |
| HSV | 190°, 61%, 100% |
| XYZ | 51.3573, 66.0070, 104.6900 |
| YIQ | 193.3930, -85.2300, -19.2620 |

Conversions

Conversions Part 2

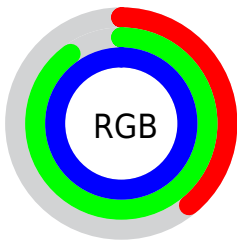
| Format | Color |
|-------------------------------------|---------------------------------------------|
| RYB | 100, 170, 255 |
| Decimal | 6612479 |
| CIELab | 85.00, -28.10, -23.26 |
| CIElCh | 85, 36.477, 219.620 |
| Yxy | 66.0070, 0.2313, 0.2973 |
| Android (android.graphics.Color) | 4284802559 (0xFF64E5FF) |
| YUV | 193.3930, 30.3723, -81.9057 |
| Hunter-Lab | 81.2447, -29.3429, -19.5284 |

Details

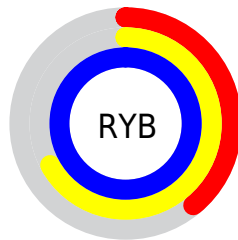
The CIELCh color **85, 36.477, 219.620** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **67, 59.822, 38.188**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.352, 197.670**, and **65, 36.292, 219.725** is the 20% darker color. If you saturate the color by 10%, you get **83, 39.597, 221.261**, and if you desaturate by 10%, it is **87, 32.375, 218.288**.

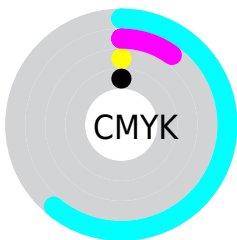
Distribution



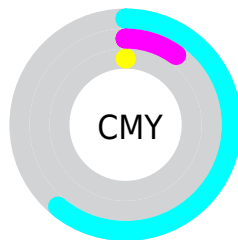
- Red (39%)
- Green (90%)
- Blue (100%)



- Red (39%)
- Yellow (67%)
- Blue (100%)



- Cyan (61%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (10%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 36.477, 219.620 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, 36.477, 219.620 by changing the saturation by 10% instead.


 85, 36.477,
219.620


 85, 36.477,
219.620


 100, 36.477,
219.620


 75, 36.477,
219.620

 65, 36.477,
219.620

 55, 36.477,
219.620

 45, 36.477,
219.620

 35, 36.477,
219.620

 25, 36.477,
219.620

 15, 36.477,

219.620

■ 5, 36.477, 219.620

■ 0, 36.477, 219.620

■ 85, 36.477,
219.620

■ 85, 36.477,
219.620

■ 83, 39.597,
221.261

■ 87, 32.375,
218.288

■ 81, 41.745,
223.442

■ 89, 27.375,
217.347

■ 80, 42.993,
226.177

■ 92, 21.575,
216.684

■ 79, 43.555,
229.171

■ 94, 15.095,
216.244

■ 97, 8.059, 216.002

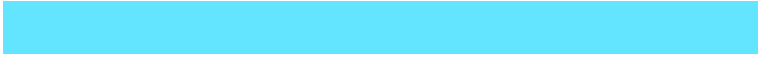
100, 0.581,
216.910

100, 0.012,
296.813

Harmonies

Complementary

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



85, 36.477, 219.620



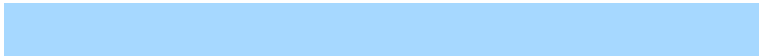
67, 59.822, 38.188

Rectangle

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



85, 36.477, 219.620



85, 36.477, 269.620



85, 36.477, 39.620



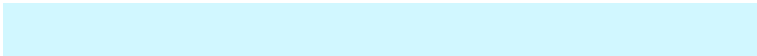
85, 36.477, 89.620

Sweetspot

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



85, 36.471, 219.568



95, 13.207, 216.158



90, 82.988, 143.480



50, 9.092, 216.250



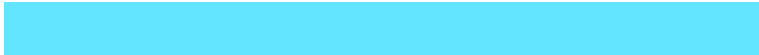
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 36.471, 219.568



83, 40.163, 221.705



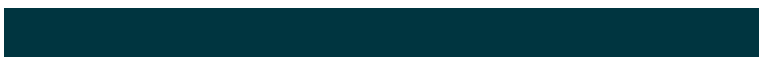
64, 58.162, 283.523



52, 4.274, 215.988



60, 35.073, 228.534



20, 16.158, 224.155

Inverse Universe

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



67, 81.622, 333.365



62, 92.396, 334.230



85, 57.821, 82.825



50, 8.067, 329.971



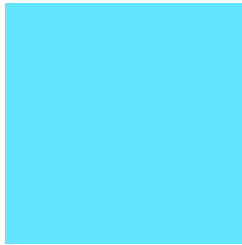
44, 81.660, 336.261



12, 38.153, 335.135

Previews

White Background



This preview shows how the CIE LCh color 85, 36.477, 219.620 looks on a white background.

Color Contrast Check

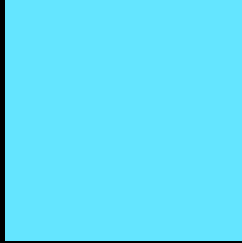
Large Text (above 18pt) WCAG AA × Fail

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, 36.477, 219.620 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, 36.477, 219.620

Background



This preview shows how black text looks on a background with the CIELCh color 85, 36.477, 219.620.

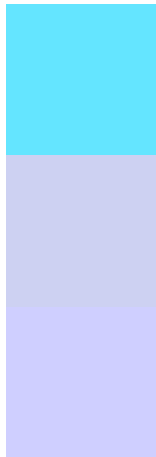


This preview shows how white text looks on a background with the CIELCh color 85, 36.477, 219.620.

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](#).

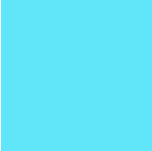
Dichromacy



Original Color
85, 36.477, 219.620

Protanopia
84, 17.420, 287.216

Deuteranopia
85, 25.318, 292.307



Tritanopia
85, 36.758, 213.159

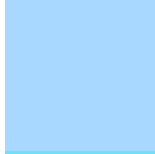
Trichromacy



Original Color
85, 36.477, 219.620



Protanomaly
84, 22.039, 246.905



Deuteranomaly
84, 25.123, 256.411

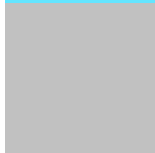


Tritanomaly
85, 36.666, 214.973

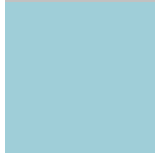
Monochromacy



Original Color
85, 36.477, 219.620



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 16.389, 217.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 36.477, 219.620 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(100, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 229, 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(100, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 229, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 36.477, 219.620 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(100, 229, 255) }
```

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

```
.border{ border-color:rgb(100, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 229,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 36.477, 219.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 229, 255) }
```

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

```
.background{ background-color: rgb(100,  
229, 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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