

Converting Colors

CIELCh(87, 46.394, 255.804)

Have a look what the booklet for
CIELCh(87, 46.394, 255.804)
contains.

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Color

CIELCh(85, 33.851, 222.617)

Conversions

Conversions Part 1	
Format	Color
Hex	72E4FE
RGB	114, 228, 254
RGB Percent	45%, 89%, 100%
CMY	0.5511, 0.1078, 0.0020
CMYK	0.55, 0.11, 0.00, 0.00
HSL	192°, 99%, 72%
HSV	192°, 55%, 100%
XYZ	52.5725, 66.0070, 104.1487
YIQ	196.8780, -76.2900, -16.0820

Conversions

Conversions Part 2

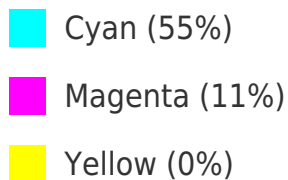
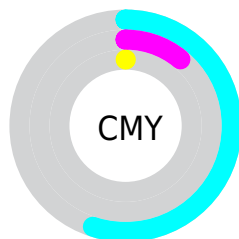
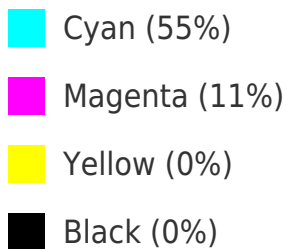
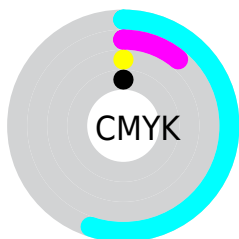
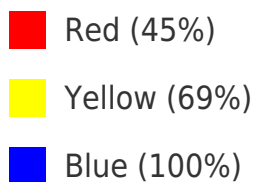
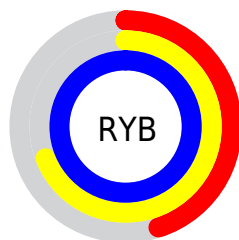
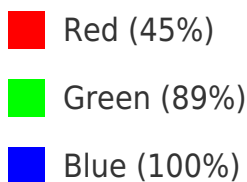
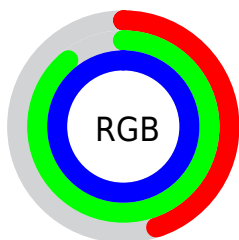
Format	Color
RYB	114, 177, 254
Decimal	7529726
CIELab	85.00, -24.91, -22.92
CIELCh	85, 33.851, 222.617
Yxy	66.0070, 0.2360, 0.2964
Android (android.graphics.Color)	4285719806 (0xFF72E4FE)
YUV	196.8780, 28.1611, -72.6840
Hunter-Lab	81.2447, -26.6730, -19.1334

Details

The CIELCh color **85, 33.851, 222.617** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **71, 52.175, 39.598**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 25.386, 197.852**, and **65, 33.853, 221.653** is the 20% darker color. If you saturate the color by 10%, you get **83, 37.577, 224.357**, and if you desaturate by 10%, it is **87, 29.228, 221.294**.


Distribution





Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 33.851, 222.617 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, 33.851, 222.617 by changing the saturation by 10% instead.


 85, 33.851,
222.617


 85, 33.851,
222.617


 100, 33.851,
222.617


 75, 33.851,
222.617

 65, 33.851,
222.617

 55, 33.851,
222.617

 45, 33.851,
222.617

 35, 33.851,
222.617

 25, 33.851,
222.617

 15, 33.851,

222.617

■ 5, 33.851, 222.617

■ 0, 33.851, 222.617

■ 85, 33.851,
222.617

■ 85, 33.851,
222.617

■ 83, 37.577,
224.357

■ 87, 29.228,
221.294

■ 81, 40.371,
226.604

■ 90, 23.795,
220.315

■ 79, 42.269,
229.437

■ 93, 17.661,
219.612

■ 77, 43.399,
232.906

■ 95, 10.944,
219.138

■ 77, 43.799,

■ 98, 3.758, 218.923

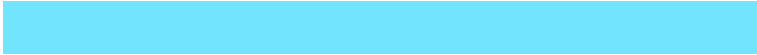
234.810

100, 0.246,
109.845

Harmonies

Complementary

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



85, 33.851, 222.617



71, 52.175, 39.598

Rectangle

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



85, 33.851, 222.617



85, 33.851, 272.617



85, 33.851, 42.617



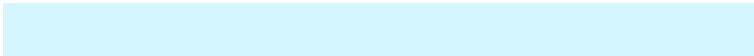
85, 33.851, 92.617

Sweetspot

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



85, 33.850, 222.616



95, 12.331, 219.215



90, 75.089, 144.789



50, 8.198, 219.301



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, 33.850, 222.616



83, 37.950, 224.554



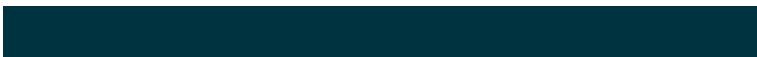
66, 53.531, 283.016



52, 4.211, 218.971



59, 35.281, 234.081



19, 16.138, 229.000

Inverse Universe

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



69, 74.006, 333.978



64, 85.247, 334.809



86, 52.871, 85.059



50, 7.923, 330.841



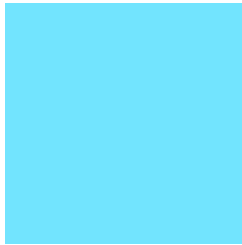
43, 80.113, 337.745



11, 37.507, 336.383

Previews

White Background



This preview shows how the CIELCh color 85, 33.851, 222.617 looks on a white background.

Color Contrast Check

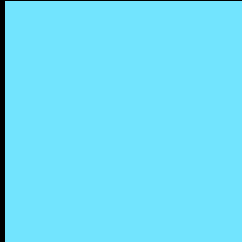
Large Text (above 18pt) WCAG AA × Fail

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, 33.851, 222.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

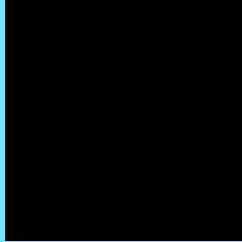
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 33.851, 222.617

Background



This preview shows how black text looks on a background with the CIELCh color 85, 33.851, 222.617.

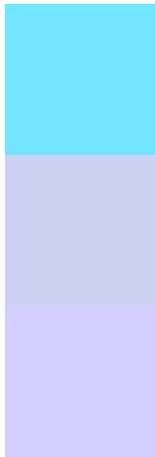


This preview shows how white text looks on a background with the CIELCh color 85, 33.851, 222.617.

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

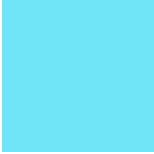
85, 33.916, 221.557

Protanopia

84, 17.420, 287.216


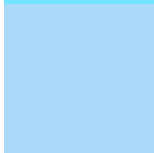
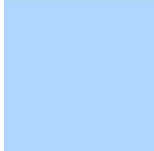
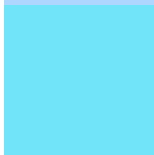
Deuteranopia

85, 25.325, 293.048



Tritanopia
85, 33.885, 213.767

Trichromacy

	Original Color 85, 33.916, 221.557
	Protanomaly 84, 21.096, 249.882
	Deuteranomaly 84, 24.542, 261.241
	Tritanomaly 85, 33.726, 217.737

Monochromacy

	Original Color 85, 33.916, 221.557
	Achromatopsia 80, 0.010, 296.813
	Achromatomaly 81, 14.630, 219.936

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 85, 33.851, 222.617 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(114, 228, 254)` looks like.

```
.text, #text, p{  
    color:rgb(114, 228, 254)  
}
```

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(114, 228, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 228, 254) }
```

Border

The CSS property to change the border of an element to CIElCh 85, 33.851, 222.617 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(114, 228, 254) }
```

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

```
.border{ border-color:rgb(114, 228, 254) }
```

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

Here you see how a box with a 4 pixel rgb(114, 228, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 228, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 228, 254);  
box-shadow:4px 4px 4px 4px rgb(114, 228,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 33.851, 222.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 228, 254) }
```

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

```
.background{ background-color: rgb(114,  
228, 254) }
```

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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