

Converting Colors

CIELCh(89, 92.390, 285.101)

Have a look what the booklet for
CIELCh(89, 92.390, 285.101)
contains.

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Color

CIElCh(83, 32.816, 233.698)

Conversions

Conversions Part 1

Format	Color
Hex	78DBFF
RGB	120, 219, 255
RGB Percent	47%, 86%, 100%
CMY	0.5276, 0.1395, 0.0000
CMYK	0.53, 0.14, 0.00, 0.00
HSL	196°, 100%, 74%
HSV	196°, 53%, 100%
XYZ	51.3757, 62.1629, 104.2726
YIQ	193.5030, -70.5600, -9.7920

Conversions

Conversions Part 2

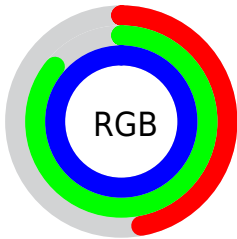
Format	Color
R_{YB}	120, 177, 255
Decimal	7920639
CIE _{Lab}	83.00, -19.43, -26.45
CIE _{LCh}	83, 32.816, 233.698
Yxy	62.1629, 0.2359, 0.2854
Android (android.graphics.Color)	4286110719 (0xFF78DBFF)
YUV	193.5030, 30.3180, -64.4621
Hunter-Lab	78.8435, -21.6625, -23.2221

Details

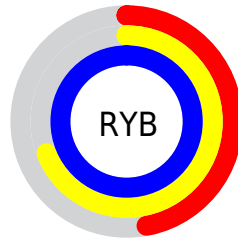
The CIELCh color **83, 32.816, 233.698** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **74, 47.818, 45.681**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.987, 197.938**, and **63, 32.809, 233.374** is the 20% darker color. If you saturate the color by 10%, you get **80, 36.968, 235.685**, and if you desaturate by 10%, it is **86, 27.730, 231.432**.

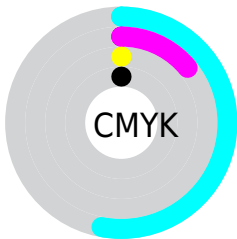
Distribution



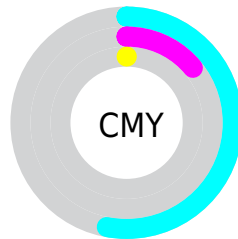
- Red (47%)
- Green (86%)
- Blue (100%)



- Red (47%)
- Yellow (69%)
- Blue (100%)



- Cyan (53%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 32.816, 233.698 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 83, 32.816, 233.698 by changing the saturation by 10% instead.

■ 83, 32.816,
233.698

■ 83, 32.816,
233.698

■ 100, 32.816,
233.698

■ 73, 32.816,
233.698

■ 63, 32.816,
233.698

■ 53, 32.816,
233.698

■ 43, 32.816,
233.698

■ 33, 32.816,
233.698

■ 23, 32.816,
233.698

■ 13, 32.816,

233.698

■ 3, 32.816, 233.698

■ 0, 32.816, 233.698

■ 83, 32.816,
233.698

■ 83, 32.816,
233.698

■ 80, 36.968,
235.685

■ 86, 27.730,
231.432

■ 78, 40.456,
238.674

■ 89, 22.071,
229.981

■ 75, 43.231,
242.349

■ 92, 15.834,
228.868

■ 73, 45.437,
246.734

■ 96, 9.118, 228.037

■ 72, 46.853,

■ 99, 2.017, 227.625

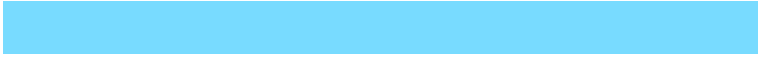
250.239

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.



83, 32.816, 233.698



74, 47.818, 45.681

Rectangle

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



83, 32.816, 233.698



83, 32.816, 283.698



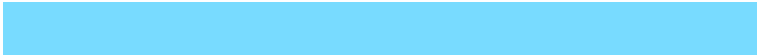
83, 32.816, 53.698



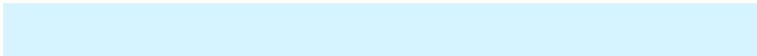
83, 32.816, 103.698

Sweetspot

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



83, 32.719, 233.303



94, 11.343, 228.277



91, 68.908, 147.302



50, 7.616, 228.444



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 32.719, 233.303



80, 37.062, 235.750



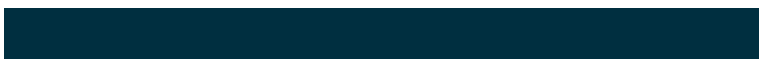
65, 56.192, 286.746



51, 4.095, 227.826



55, 37.514, 249.314



17, 16.666, 242.712

Inverse Universe

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



69, 68.207, 336.859



65, 78.674, 337.822



89, 53.276, 90.530



50, 7.529, 333.486



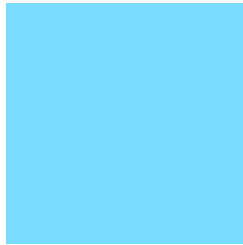
43, 76.088, 342.383



11, 35.793, 340.244

Previews

White Background



This preview shows how the CIELCh color 83, 32.816, 233.698 looks on a white background.

Color Contrast Check

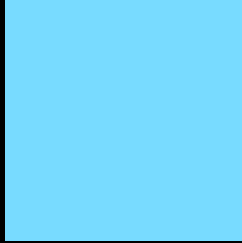
Large Text (above 18pt) WCAG AA × Fail

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 83, 32.816, 233.698 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 83, 32.816, 233.698

Background



This preview shows how black text looks on a background with the CIELCh color 83, 32.816, 233.698.

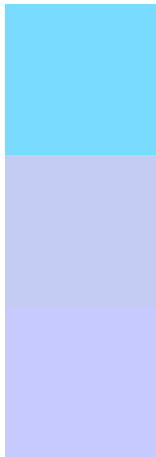


This preview shows how white text looks on a background with the CIELCh color 83, 32.816, 233.698.

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
83, 32.816, 233.698

Protanopia
83, 21.250, 285.731

Deuteranopia
83, 28.078, 289.937



Tritanopia
83, 31.832, 215.044

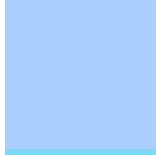
Trichromacy



Original Color
83, 32.816, 233.698



Protanomaly
83, 23.461, 258.419



Deuteranomaly
82, 27.096, 266.478

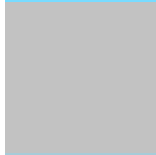


Tritanomaly
83, 31.738, 221.411

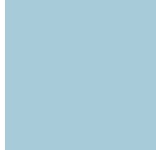
Monochromacy



Original Color
83, 32.816, 233.698



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 13.806, 228.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 32.816, 233.698 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(120, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 219, 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(120, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 219, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 32.816, 233.698 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(120, 219, 255) }
```

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

```
.border{ border-color:rgb(120, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 219,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 32.816, 233.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 219, 255) }
```

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

```
.background{ background-color: rgb(120,  
219, 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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