

Converting Colors

CIELCh(79, 39.185, 224.997)

Have a look what the booklet for
CIELCh(79, 39.185, 224.997)
contains.

CIELCh(79, 39.203, 225.183)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(79, 39.203, 225.183)

Conversions

Conversions Part 1

Format	Color
Hex	3FD4F6
RGB	63, 212, 246
RGB Percent	25%, 83%, 96%
CMY	0.7516, 0.1678, 0.0344
CMYK	0.74, 0.14, 0.00, 0.03
HSL	191°, 91%, 61%
HSV	191°, 74%, 97%
XYZ	42.3359, 54.9284, 95.7352
YIQ	171.3250, -99.7180, -21.0140

Conversions

Conversions Part 2

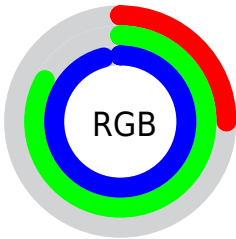
Format	Color
R _{YB}	63, 145, 246
Decimal	4183286
CIE _{Lab}	79.00, -27.63, -27.81
CIE _{LCh}	79, 39.203, 225.183
Y _{xy}	54.9284, 0.2194, 0.2846
Android (android.graphics.Color)	4282373366 (0xFF3FD4F6)
YUV	171.3250, 36.8148, -95.0010
Hunter-Lab	74.1137, -27.7344, -24.7073

Details

The CIELCh color **79, 39.203, 225.183** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **60, 73.219, 41.004**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.363, 197.247**, and **60, 34.925, 229.886** is the 20% darker color. If you saturate the color by 10%, you get **77, 41.080, 227.846**, and if you desaturate by 10%, it is **81, 36.430, 223.080**.

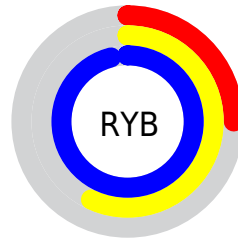
Distribution



Red (25%)

Green (83%)

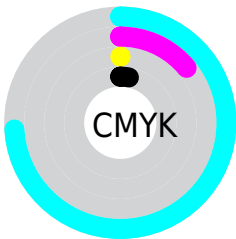
Blue (96%)



Red (25%)

Yellow (57%)

Blue (96%)

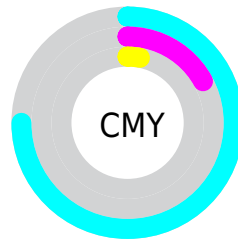


Cyan (74%)

Magenta (14%)

Yellow (0%)

Black (3%)



Cyan (75%)


Magenta (17%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 39.203, 225.183 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 79, 39.203, 225.183 by changing the saturation by 10% instead.


 79, 39.203,
225.183

 79, 39.203,
225.183


 100, 39.203,
225.183


 69, 39.203,
225.183


 99, 39.203,
225.183

 59, 39.203,
225.183

 49, 39.203,
225.183

 39, 39.203,
225.183

 29, 39.203,
225.183

 19, 39.203,
225.183

 9, 39.203, 225.183

■ 0, 39.203, 225.183

■ 79, 39.203,
225.183

■ 79, 39.203,
225.183

■ 77, 41.080,
227.846

■ 81, 36.430,
223.080

■ 76, 42.178,
231.125

■ 83, 32.739,
221.457

■ 75, 42.592,
233.223

■ 85, 28.173,
220.234

■ 88, 22.817,
219.336

■ 90, 16.781,
218.700

■ 93, 10.181,
218.283

■ 96, 3.128, 218.142

■ 98, 2.538, 50.921

■ 99, 3.681, 101.149

Harmonies

Complementary

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



79, 39.203, 225.183



60, 73.219, 41.004

Rectangle

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



79, 39.203, 225.183



79, 39.203, 275.183



79, 39.203, 45.183



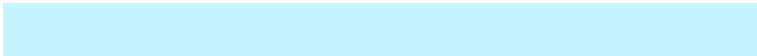
79, 39.203, 95.183

Sweetspot

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



79, 39.202, 225.182



94, 15.766, 218.589



86, 93.642, 141.945



49, 10.497, 218.726



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 39.202, 225.182



79, 42.825, 229.372



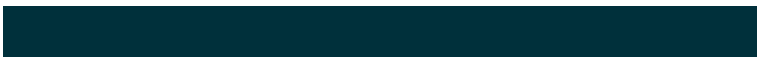
53, 71.999, 289.076



50, 4.088, 218.160



58, 34.490, 232.515



17, 15.281, 227.142

Inverse Universe

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



60, 89.619, 335.149



59, 98.719, 336.431



80, 68.197, 82.090



48, 7.699, 330.602



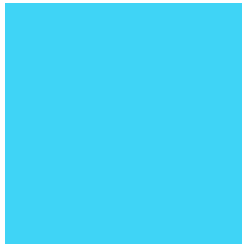
42, 78.939, 337.318



10, 35.757, 335.899

Previews

White Background



This preview shows how the CIE LCh color 79, 39.203, 225.183 looks on a white background.

Color Contrast Check

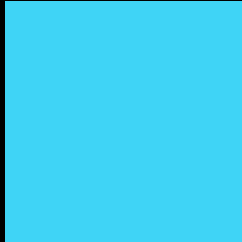
Large Text (above 18pt) WCAG AA × Fail

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 79, 39.203, 225.183 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 79, 39.203, 225.183

Background



This preview shows how black text looks on a background with the CIELCh color 79, 39.203, 225.183.



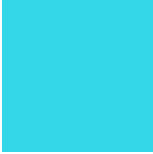
This preview shows how white text looks on a background with the CIELCh color 79, 39.203, 225.183.

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
79, 39.878, 210.166

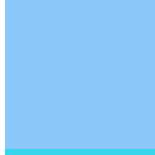
Trichromacy



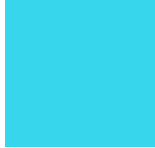
Original Color
79, 39.203, 225.183



Protanomaly
78, 26.337, 249.678



Deuteranomaly
78, 31.309, 258.133

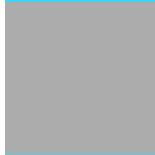


Tritanomaly
79, 39.373, 215.381

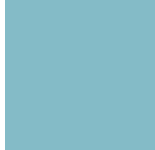
Monochromacy



Original Color
79, 39.203, 225.183



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 19.001, 218.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 39.203, 225.183 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(63, 212, 246)` looks like.

```
.text, #text, p{  
    color:rgb(63, 212, 246)  
}
```

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(63, 212, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 212, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 39.203, 225.183 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(63, 212, 246) }
```

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

```
.border{ border-color:rgb(63, 212, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 212, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 212, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 212, 246);  
box-shadow:4px 4px 4px 4px rgb(63, 212,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 39.203, 225.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 212, 246) }
```

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

```
.background{ background-color: rgb(63, 212,  
246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor