

Converting Colors

CIELCh(78, 35.314, 216.173)

Have a look what the booklet for
CIELCh(78, 35.314, 216.173)
contains.

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Color

CIELCh(78, 35.205, 216.050)

Conversions

Conversions Part 1

Format	Color
Hex	52D1E6
RGB	82, 209, 230
RGB Percent	32%, 82%, 90%
CMY	0.6775, 0.1797, 0.0974
CMYK	0.64, 0.09, 0.00, 0.10
HSL	189°, 75%, 61%
HSV	189°, 64%, 90%
XYZ	40.6487, 53.2120, 83.1198
YIQ	173.4210, -82.4330, -20.3930

Conversions

Conversions Part 2

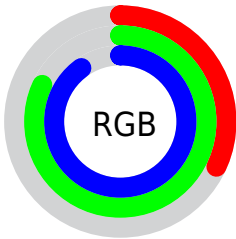
Format	Color
R_{YB}	82, 150, 230
Decimal	5427686
CIE _{Lab}	78.00, -28.46, -20.72
CIE _{LCh}	78, 35.205, 216.050
Yxy	53.2120, 0.2297, 0.3007
Android (android.graphics.Color)	4283617766 (0xFF52D1E6)
YUV	173.4210, 27.8934, -80.1762
Hunter-Lab	72.9466, -28.1893, -16.4961

Details

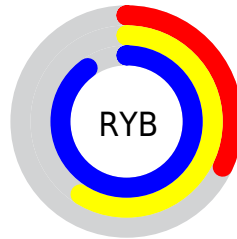
The CIELCh color **78, 35.205, 216.050** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **59, 59.776, 36.836**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.849, 197.398**, and **58, 33.184, 217.136** is the 20% darker color. If you saturate the color by 10%, you get **77, 37.757, 217.524**, and if you desaturate by 10%, it is **80, 31.718, 214.942**.

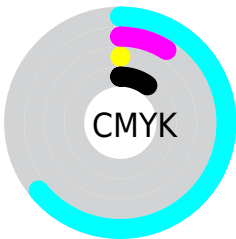
Distribution



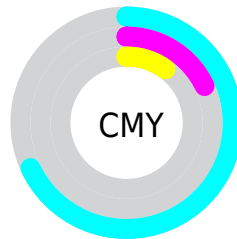
- Red (32%)
- Green (82%)
- Blue (90%)



- Red (32%)
- Yellow (59%)
- Blue (90%)



- Cyan (64%)
- Magenta (9%)
- Yellow (0%)
- Black (10%)





- Cyan (68%)
- Magenta (18%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 35.205, 216.050 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 78, 35.205, 216.050 by changing the saturation by 10% instead.


 78, 35.205,
216.050


 78, 35.205,
216.050


 100, 35.205,
216.050


 68, 35.205,
216.050


 98, 35.205,
216.050

 58, 35.205,
216.050

 48, 35.205,
216.050

 38, 35.205,
216.050

 28, 35.205,
216.050

 18, 35.205,
216.050

 8, 35.205, 216.050

■ 0, 35.205, 216.050

■ 78, 35.205,
216.050

■ 78, 35.205,
216.050

■ 77, 37.757,
217.524

■ 80, 31.718,
214.942

■ 75, 39.385,
219.431

■ 81, 27.348,
214.143

■ 74, 40.179,
221.818

■ 83, 22.183,
213.597

■ 73, 40.390,
223.357

■ 86, 16.336,
213.257

■ 88, 9.921, 213.093

■ 90, 3.052, 213.170

■ 93, 4.169, 32.857

■ 95, 7.603, 39.984

■ 95, 7.332, 55.472

Harmonies

Complementary

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



78, 35.205, 216.050



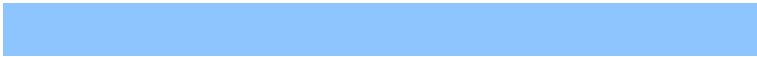
59, 59.776, 36.836

Rectangle

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



78, 35.205, 216.050



78, 35.205, 266.050



78, 35.205, 36.050



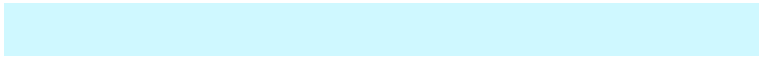
78, 35.205, 86.050

Sweetspot

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



78, 35.204, 216.049



95, 14.136, 213.151



82, 81.987, 142.061



50, 9.637, 213.205



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 35.204, 216.049



84, 41.458, 218.077



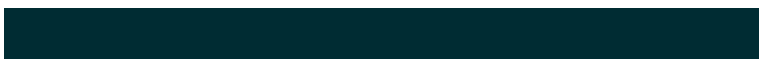
57, 54.053, 282.030



47, 3.990, 213.079



58, 33.414, 222.852



16, 14.148, 218.242

Inverse Universe

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



59, 79.801, 332.559



62, 96.709, 333.390



75, 55.300, 79.477



45, 7.532, 329.119



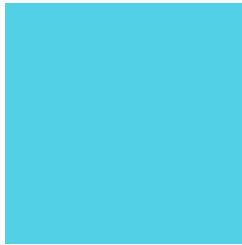
41, 79.154, 334.806



8, 33.783, 333.657

Previews

White Background



This preview shows how the CIE LCh color 78, 35.205, 216.050 looks on a white background.

Color Contrast Check

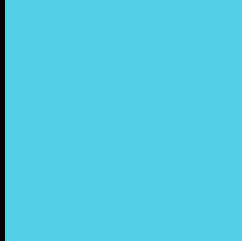
Large Text (above 18pt) WCAG AA × Fail

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 78, 35.205, 216.050 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 78, 35.205, 216.050

Background



This preview shows how black text looks on a background with the CIELCh color 78, 35.205, 216.050.

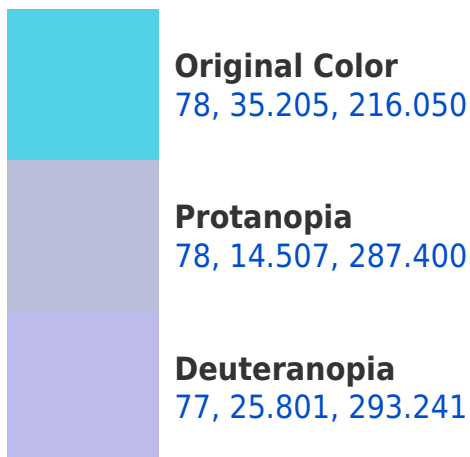


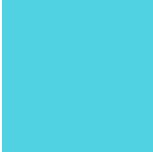
This preview shows how white text looks on a background with the CIELCh color 78, 35.205, 216.050.

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



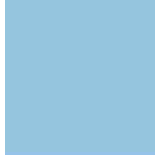


Tritanopia
78, 35.568, 212.105

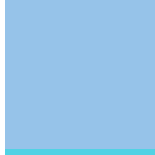
Trichromacy



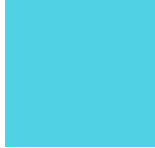
Original Color
78, 35.205, 216.050



Protanomaly
77, 20.053, 240.868



Deuteranomaly
77, 24.295, 256.467

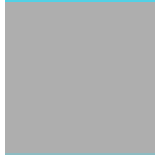


Tritanomaly
78, 35.435, 213.096

Monochromacy



Original Color
78, 35.205, 216.050



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 15.952, 212.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 35.205, 216.050 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(82, 209, 230)` looks like.

```
.text, #text, p{  
  color:rgb(82, 209, 230)  
}
```

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(82, 209, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 209, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 35.205, 216.050 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(82, 209, 230) }
```

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

```
.border{ border-color:rgb(82, 209, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 209, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 209, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 209, 230);  
box-shadow:4px 4px 4px 4px rgb(82, 209,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 35.205, 216.050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 209, 230) }
```

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

```
.background{ background-color: rgb(82, 209,  
230) }
```

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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