

Converting Colors

CIELCh(80, 35.721, 210.910)

Have a look what the booklet for
CIELCh(80, 35.721, 210.910)
contains.

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Color

CIELCh(80, 35.775, 210.155)

Conversions

Conversions Part 1

Format	Color
Hex	56D8E7
RGB	86, 216, 231
RGB Percent	34%, 85%, 91%
CMY	0.6641, 0.1540, 0.0952
CMYK	0.63, 0.07, 0.00, 0.10
HSL	186°, 75%, 62%
HSV	186°, 63%, 90%
XYZ	42.6724, 56.6813, 84.0807
YIQ	178.8400, -82.2950, -22.8950

Conversions

Conversions Part 2

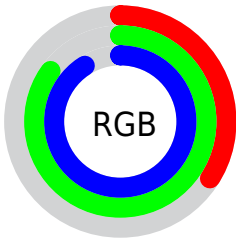
Format	Color
R_{YB}	86, 155, 231
Decimal	5691623
CIE _{Lab}	80.00, -30.93, -17.97
CIE _{LCh}	80, 35.775, 210.155
Yxy	56.6813, 0.2326, 0.3090
Android (android.graphics.Color)	4283881703 (0xFF56D8E7)
YUV	178.8400, 25.7149, -81.4207
Hunter-Lab	75.2870, -30.5791, -13.5144

Details

The CIELCh color **80, 35.775, 210.155** 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, 59.753, 34.136**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.890, 197.456**, and **60, 34.246, 210.193** is the 20% darker color. If you saturate the color by 10%, you get **79, 38.485, 211.071**, and if you desaturate by 10%, it is **81, 32.090, 209.503**.

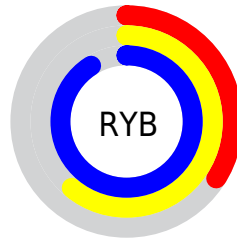
Distribution



Red (34%)

Green (85%)

Blue (91%)



Red (34%)

Yellow (61%)

Blue (91%)

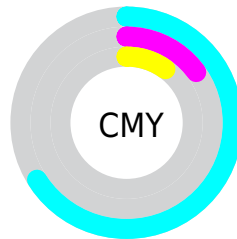


Cyan (63%)

Magenta (7%)

Yellow (0%)

Black (10%)



Cyan (66%)


Magenta (15%)


Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 35.775, 210.155 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 80, 35.775, 210.155 by changing the saturation by 10% instead.


 80, 35.775,
210.155


 80, 35.775,
210.155


 100, 35.775,
210.155


 70, 35.775,
210.155


 60, 35.775,
210.155

 50, 35.775,
210.155

 40, 35.775,
210.155

 30, 35.775,
210.155

 20, 35.775,
210.155

 10, 35.775,

210.155

0, 35.775, 210.155

80, 35.775,
210.155

80, 35.775,
210.155

79, 38.485,
211.071

81, 32.090,
209.503

78, 40.219,
212.299

83, 27.492,
209.079

77, 41.045,
213.871

85, 22.078,
208.844

76, 41.233,
215.175

87, 15.964,
208.767

89, 9.273, 208.829

91, 2.122, 209.185

■ 93, 5.381, 28.984

■ 94, 7.608, 35.739

■ 95, 7.245, 46.858

Harmonies

Complementary

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



80, 35.775, 210.155



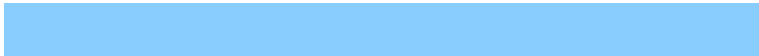
59, 59.753, 34.136

Rectangle

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



80, 35.775, 210.155



80, 35.775, 260.155



80, 35.775, 30.155



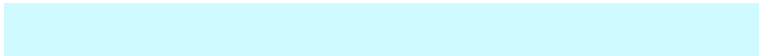
80, 35.775, 80.155

Sweetspot

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



80, 35.774, 210.154



95, 14.567, 208.774



82, 82.451, 141.336



50, 9.930, 208.767



0, 0.000, 0.000



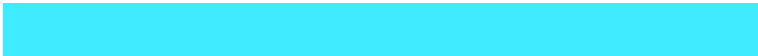
53, 0.007, 296.813

Same Dimension

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



80, 35.774, 210.154



86, 42.085, 211.352



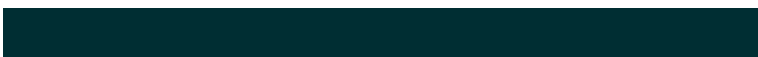
59, 50.324, 278.847



47, 4.113, 208.887



60, 34.073, 214.825



16, 14.482, 211.661

Inverse Universe

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



60, 80.731, 331.016



62, 97.979, 331.671



74, 53.422, 76.737



45, 7.738, 327.899



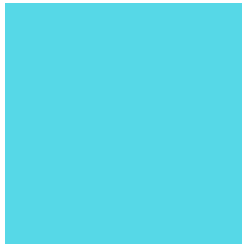
41, 81.557, 332.816



8, 34.653, 332.041

Previews

White Background



This preview shows how the CIE LCh color 80, 35.775, 210.155 looks on a white background.

Color Contrast Check

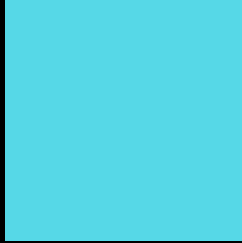
Large Text (above 18pt) WCAG AA × Fail

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 80, 35.775, 210.155 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 80, 35.775, 210.155

Background



This preview shows how black text looks on a background with the CIELCh color 80, 35.775, 210.155.

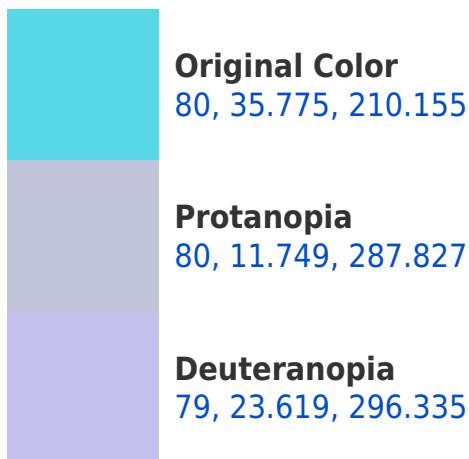


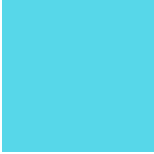
This preview shows how white text looks on a background with the CIELCh color 80, 35.775, 210.155.

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
80, 35.456, 213.044

Trichromacy



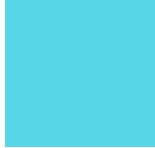
Original Color
80, 35.775, 210.155



Protanomaly
79, 18.585, 233.800



Deuteranomaly
79, 22.042, 252.293

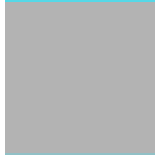


Tritanomaly
80, 35.436, 212.134

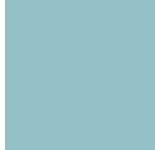
Monochromacy



Original Color
80, 35.775, 210.155



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 16.155, 209.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 35.775, 210.155 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(86, 216, 231)` looks like.

```
.text, #text, p{  
    color:rgb(86, 216, 231)  
}
```

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(86, 216, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 216, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 35.775, 210.155 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(86, 216, 231) }
```

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

```
.border{ border-color:rgb(86, 216, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 216, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 216, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 216, 231);  
box-shadow:4px 4px 4px 4px rgb(86, 216,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 35.775, 210.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 216, 231) }
```

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

```
.background{ background-color: rgb(86, 216,  
231) }
```

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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