

Converting Colors

CIELCh(77, 35.465, 193.665)

Have a look what the booklet for
CIELCh(77, 35.465, 193.665)
contains.

CIELCh(77, 35.570, 193.364)	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(77, 35.570, 193.364)

Conversions

Conversions Part 1

Format	Color
Hex	56D0CC
RGB	86, 208, 204
RGB Percent	34%, 82%, 80%
CMY	0.6621, 0.1838, 0.1995
CMYK	0.59, 0.00, 0.02, 0.18
HSL	178°, 57%, 58%
HSV	178°, 59%, 82%
XYZ	37.3577, 51.5317, 65.1903
YIQ	171.0660, -71.4280, -27.1080

Conversions

Conversions Part 2

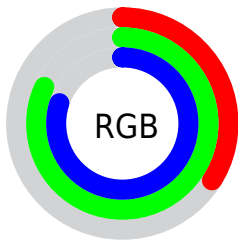
Format	Color
RYB	86, 148, 208
Decimal	5689548
CIELab	77.00, -34.61, -8.22
CIELCh	77, 35.570, 193.364
Yxy	51.5317, 0.2425, 0.3344
Android (android.graphics.Color)	4283879628 (0xFF56D0CC)
YUV	171.0660, 16.2365, -74.6029
Hunter-Lab	71.7856, -32.7323, -3.5928

Details

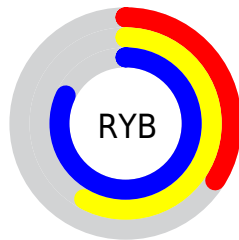
The CIELCh color **77, 35.570, 193.364** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **53, 53.526, 24.828**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.611, 197.412**, and **57, 34.731, 193.463** is the 20% darker color. If you saturate the color by 10%, you get **76, 39.034, 192.882**, and if you desaturate by 10%, it is **78, 31.194, 193.867**.

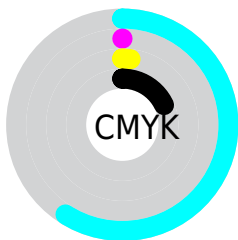
Distribution



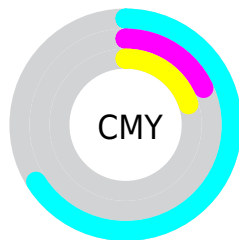
- Red (34%)
- Green (82%)
- Blue (80%)



- Red (34%)
- Yellow (58%)
- Blue (82%)



- Cyan (59%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)



- Cyan (66%)
- Magenta (18%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 35.570, 193.364 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 77, 35.570, 193.364 by changing the saturation by 10% instead.


 77, 35.570,
193.364

 77, 35.570,
193.364


 100, 35.570,
193.364


 67, 35.570,
193.364


 97, 35.570,
193.364

 57, 35.570,
193.364

 47, 35.570,
193.364

 37, 35.570,
193.364

 27, 35.570,
193.364

 17, 35.570,
193.364

 7, 35.570, 193.364

0, 35.570, 193.364

77, 35.570,
193.364

77, 35.570,
193.364

76, 39.034,
192.882

78, 31.194,
193.867

76, 41.562,
192.418

79, 25.977,
194.400

76, 43.184,
191.960

80, 20.023,
194.964

76, 44.045,
191.498

81, 13.451,
195.564

76, 44.144,
191.434

82, 6.384, 196.221

84, 1.061, 16.231

85, 8.775, 17.346

■ 87, 16.668, 18.034

■ 88, 17.552, 17.087

Harmonies

Complementary

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



77, 35.570, 193.364



53, 53.526, 24.828

Rectangle

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



77, 35.570, 193.364



77, 35.570, 243.364



77, 35.570, 13.364



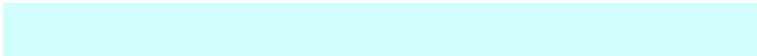
77, 35.570, 63.364

Sweetspot

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



77, 35.570, 193.362



97, 15.364, 195.588



75, 75.581, 138.807



51, 10.583, 195.407



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 35.570, 193.362



92, 46.240, 192.778



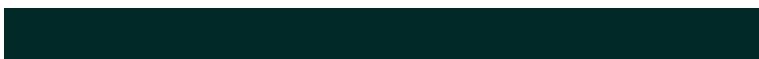
61, 35.687, 263.645



43, 4.218, 196.163



62, 37.672, 191.505



14, 14.327, 192.431

Inverse Universe

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



53, 53.526, 24.828



59, 76.538, 28.563



65, 44.047, 64.803



41, 4.460, 17.269



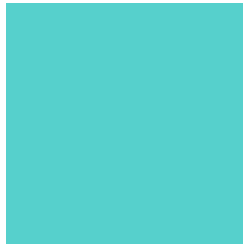
35, 75.093, 38.520



4, 20.017, 17.935

Previews

White Background



This preview shows how the CIELCh color 77, 35.570, 193.364 looks on a white background.

Color Contrast Check

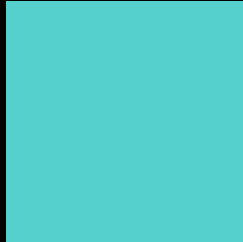
Large Text (above 18pt) WCAG AA × Fail

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 77, 35.570, 193.364 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

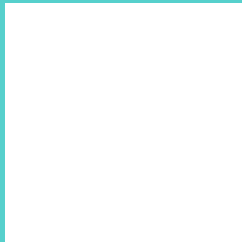
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 35.570, 193.364

Background



This preview shows how black text looks on a background with the CIELCh color 77, 35.570, 193.364.

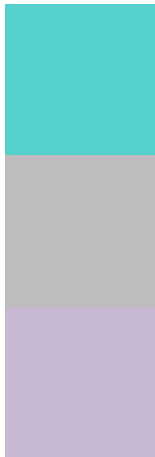


This preview shows how white text looks on a background with the CIELCh color 77, 35.570, 193.364.

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

77, 35.570, 193.364

Protanopia

77, 2.436, 317.305

Deuteranopia

77, 14.424, 311.642



Tritanopia
77, 32.254, 213.935

Trichromacy



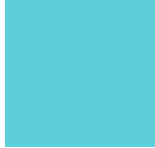
Original Color
77, 35.570, 193.364



Protanomaly
76, 14.515, 200.474



Deuteranomaly
76, 14.123, 231.082

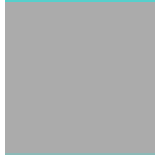


Tritanomaly
77, 32.975, 206.627

Monochromacy



Original Color
77, 35.570, 193.364



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 15.756, 194.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 35.570, 193.364 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, 208, 204)` looks like.

```
.text, #text, p{  
    color:rgb(86, 208, 204)  
}
```

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, 208, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 208, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 35.570, 193.364 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, 208, 204) }
```

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

```
.border{ border-color:rgb(86, 208, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 208, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 208, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 208, 204);  
box-shadow:4px 4px 4px 4px rgb(86, 208,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 35.570, 193.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 208, 204) }
```

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

```
.background{ background-color: rgb(86, 208,  
204) }
```

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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