

Converting Colors

CIELCh(77, 34.742, 190.040)

Have a look what the booklet for
CIELCh(77, 34.742, 190.040)
contains.

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Color

CIELCh(77, 34.861, 189.751)

Conversions

Conversions Part 1

Format	Color
Hex	5DD0C8
RGB	93, 208, 200
RGB Percent	36%, 82%, 78%
CMY	0.6358, 0.1848, 0.2162
CMYK	0.55, 0.00, 0.04, 0.18
HSL	176°, 55%, 59%
HSV	176°, 55%, 82%
XYZ	37.4341, 51.5317, 62.5386
YIQ	172.7030, -65.9720, -26.8680

Conversions

Conversions Part 2

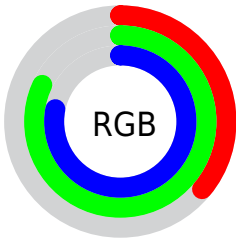
Format	Color
R_{YB}	93, 153, 208
Decimal	6148296
CIE _{Lab}	77.00, -34.36, -5.90
CIE _{LCh}	77, 34.861, 189.751
Yxy	51.5317, 0.2471, 0.3401
Android (android.graphics.Color)	4284338376 (0xFF5DD0C8)
YUV	172.7030, 13.4574, -69.8995
Hunter-Lab	71.7856, -32.5424, -1.4027

Details

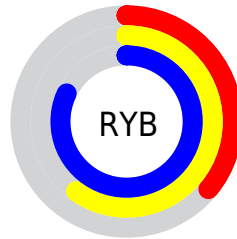
The CIELCh color **77, 34.861, 189.751** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **54, 49.582, 21.324**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.155, 197.500**, and **57, 34.883, 189.640** is the 20% darker color. If you saturate the color by 10%, you get **76, 38.825, 189.024**, and if you desaturate by 10%, it is **78, 30.023, 190.460**.

Distribution



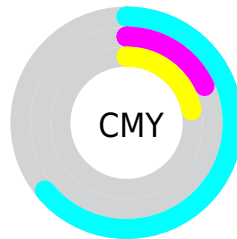
- Red (36%)
- Green (82%)
- Blue (78%)



- Red (36%)
- Yellow (60%)
- Blue (82%)



- Cyan (55%)
- Magenta (0%)
- Yellow (4%)
- Black (18%)





- Cyan (64%)
- Magenta (18%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 34.861, 189.751 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, 34.861, 189.751 by changing the saturation by 10% instead.


 77, 34.861,
189.751


 77, 34.861,
189.751


 100, 34.861,
189.751


 67, 34.861,
189.751


 97, 34.861,
189.751

 57, 34.861,
189.751

 47, 34.861,
189.751

 37, 34.861,
189.751

 27, 34.861,
189.751

 17, 34.861,
189.751

 7, 34.861, 189.751

0, 34.861, 189.751

77, 34.861,
189.751

77, 34.861,
189.751

76, 38.825,
189.024

78, 30.023,
190.460

76, 41.864,
188.272

79, 24.399,
191.166

76, 43.985,
187.477

80, 18.104,
191.876

75, 45.262,
186.626

81, 11.263,
192.600

75, 45.690,
186.217

83, 4.000, 193.398

84, 3.572, 13.814

86, 11.353, 14.634

■ 88, 17.674, 14.737

■ 88, 17.721, 12.323

Harmonies

Complementary

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



77, 34.861, 189.751



54, 49.582, 21.324

Rectangle

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



77, 34.861, 189.751



77, 34.861, 239.751



77, 34.861, 9.751



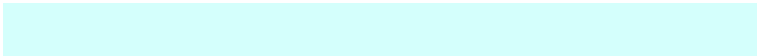
77, 34.861, 59.751

Sweetspot

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



77, 34.861, 189.749



97, 14.677, 192.462



75, 70.900, 138.163



51, 9.765, 192.314



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, 34.861, 189.749



92, 45.875, 188.917



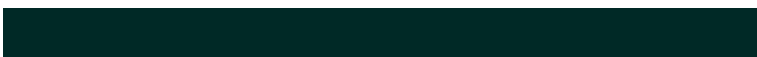
63, 31.893, 256.263



43, 4.246, 193.049



62, 39.004, 186.357



14, 14.716, 188.206

Inverse Universe

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



54, 49.582, 21.324



61, 70.761, 24.636



64, 41.144, 60.237



41, 4.471, 14.303



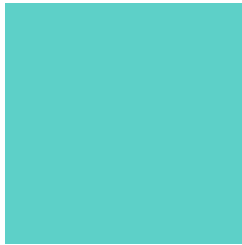
35, 73.651, 36.990



4, 20.032, 16.224

Previews

White Background



This preview shows how the CIELCh color 77, 34.861, 189.751 looks on a white background.

Color Contrast Check

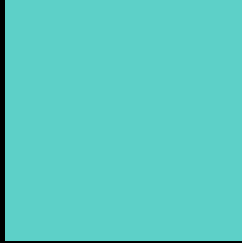
Large Text (above 18pt) WCAG AA × Fail

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, 34.861, 189.751 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

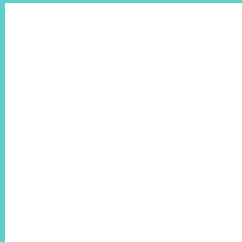
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 34.861, 189.751

Background



This preview shows how black text looks on a background with the CIELCh color 77, 34.861, 189.751.

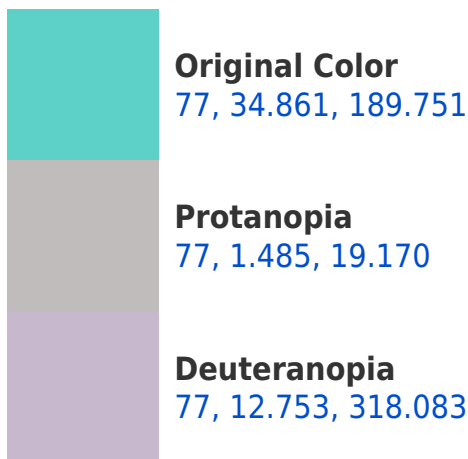


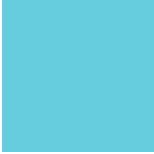
This preview shows how white text looks on a background with the CIELCh color 77, 34.861, 189.751.

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](#).

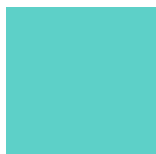
Dichromacy



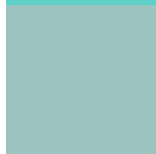


Tritanopia
77, 30.890, 213.707

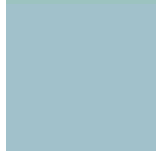
Trichromacy



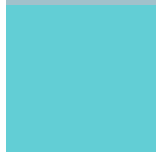
Original Color
77, 34.861, 189.751



Protanomaly
76, 13.818, 191.627



Deuteranomaly
76, 12.117, 225.190

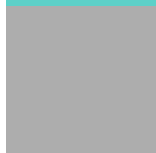


Tritanomaly
77, 31.730, 204.073

Monochromacy



Original Color
77, 34.861, 189.751



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 14.883, 191.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 34.861, 189.751 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(93, 208, 200)` looks like.

```
.text, #text, p{  
    color:rgb(93, 208, 200)  
}
```

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(93, 208, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 208, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 34.861, 189.751 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(93, 208, 200) }
```

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

```
.border{ border-color:rgb(93, 208, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 208, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 208, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 208, 200);  
box-shadow:4px 4px 4px 4px rgb(93, 208,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 34.861, 189.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 208, 200) }
```

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

```
.background{ background-color: rgb(93, 208,  
200) }
```

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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