

Converting Colors

CIELCh(77, 34.226, 196.386)

Have a look what the booklet for
CIELCh(77, 34.226, 196.386)
contains.

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Color

CIELCh(77, 34.089, 196.979)

Conversions

Conversions Part 1

Format	Color
Hex	5ACFCF
RGB	90, 207, 207
RGB Percent	35%, 81%, 81%
CMY	0.6453, 0.1867, 0.1867
CMYK	0.56, 0.00, 0.00, 0.19
HSL	180°, 55%, 58%
HSV	180°, 56%, 81%
XYZ	37.9742, 51.5317, 67.2219
YIQ	172.0170, -69.7320, -24.8040

Conversions

Conversions Part 2

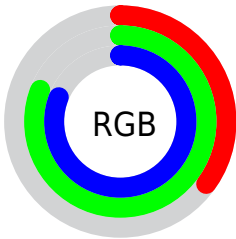
Format	Color
RYB	90, 149, 207
Decimal	5951439
CIELab	77.00, -32.60, -9.95
CIELCh	77, 34.089, 196.979
Yxy	51.5317, 0.2423, 0.3288
Android (android.graphics.Color)	4284141519 (0xFF5ACFCF)
YUV	172.0170, 17.2466, -71.9289
Hunter-Lab	71.7856, -31.1994, -5.2707

Details

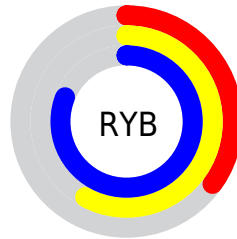
The CIELCh color **77, 34.089, 196.979** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **53, 51.787, 26.561**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **57, 33.911, 197.385** is the 20% darker color. If you saturate the color by 10%, you get **76, 37.599, 196.737**, and if you desaturate by 10%, it is **78, 29.671, 197.284**.

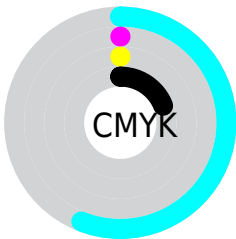
Distribution



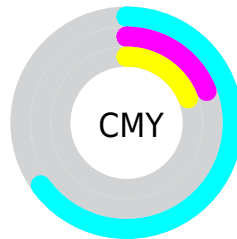
- Red (35%)
- Green (81%)
- Blue (81%)



- Red (35%)
- Yellow (58%)
- Blue (81%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)




- Cyan (65%)
- Magenta (19%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 34.089, 196.979 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, 34.089, 196.979 by changing the saturation by 10% instead.


 77, 34.089,
196.979


 77, 34.089,
196.979


 100, 34.089,
196.979


 67, 34.089,
196.979


 97, 34.089,
196.979

 57, 34.089,
196.979

 47, 34.089,
196.979

 37, 34.089,
196.979

 27, 34.089,
196.979

 17, 34.089,
196.979

 7, 34.089, 196.979

0, 34.089, 196.979

77, 34.089,
196.979

77, 34.089,
196.979

76, 37.599,
196.737

78, 29.671,
197.284

76, 40.173,
196.562

79, 24.419,
197.655

76, 41.835,
196.450

80, 18.434,
198.086

76, 42.682,
196.393

81, 11.834,
198.579

76, 42.886,
196.379

82, 4.739, 199.170

84, 2.734, 19.399

86, 10.482, 20.135

■ 87, 17.895, 20.722

■ 87, 17.895, 20.720

Harmonies

Complementary

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



77, 34.089, 196.979



53, 51.787, 26.561

Rectangle

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



77, 34.089, 196.979



77, 34.089, 246.979



77, 34.089, 16.979



77, 34.089, 66.979

Sweetspot

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



77, 34.089, 196.977



97, 14.478, 198.537



75, 73.232, 139.346



51, 9.623, 198.432



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, 34.089, 196.977



92, 44.768, 196.689



61, 35.092, 264.904



43, 4.203, 198.971



62, 36.714, 196.379



14, 14.039, 196.381

Inverse Universe

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



53, 51.787, 26.561



60, 75.491, 30.063



66, 42.141, 66.706



41, 4.460, 19.923



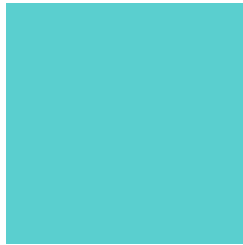
35, 76.453, 39.862



4, 20.018, 19.465

Previews

White Background



This preview shows how the CIELCh color 77, 34.089, 196.979 looks on a white background.

Color Contrast Check

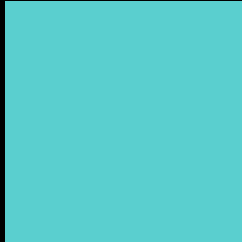
Large Text (above 18pt) WCAG AA × Fail

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, 34.089, 196.979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

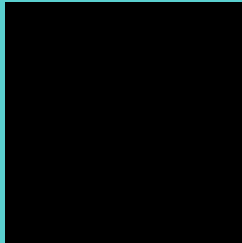
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

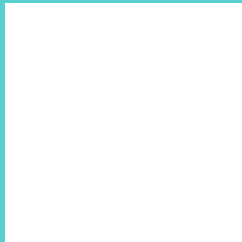
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 34.089, 196.979

Background



This preview shows how black text looks on a background with the CIELCh color 77, 34.089, 196.979.

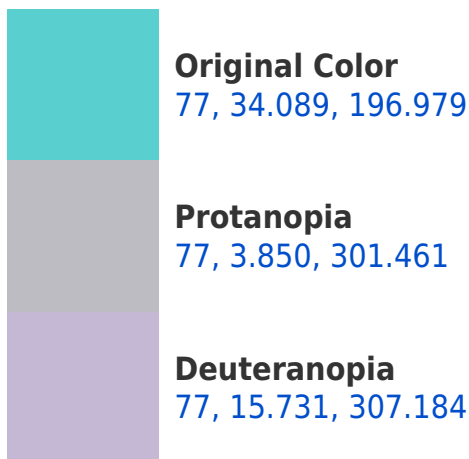


This preview shows how white text looks on a background with the CIELCh color 77, 34.089, 196.979.

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, 31.886, 214.155

Trichromacy



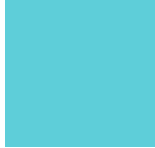
Original Color
77, 34.089, 196.979



Protanomaly
76, 14.236, 209.364



Deuteranomaly
76, 14.676, 237.501

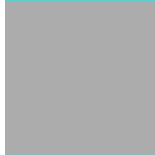


Tritanomaly
77, 32.391, 207.825

Monochromacy



Original Color
77, 34.089, 196.979



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 14.968, 198.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 34.089, 196.979 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(90, 207, 207)` looks like.

```
.text, #text, p{  
    color:rgb(90, 207, 207)  
}
```

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(90, 207, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 207, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 34.089, 196.979 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(90, 207, 207) }
```

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

```
.border{ border-color:rgb(90, 207, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 207, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 207, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 207, 207);  
box-shadow:4px 4px 4px 4px rgb(90, 207,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 34.089, 196.979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 207, 207) }
```

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

```
.background{ background-color: rgb(90, 207,  
207) }
```

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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