

Converting Colors

CIELCh(77, 34.193, 209.883)

Have a look what the booklet for
CIELCh(77, 34.193, 209.883)
contains.

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Color

CIELCh(77, 34.340, 209.904)

Conversions

Conversions Part 1

Format	Color
Hex	54CFDD
RGB	84, 207, 221
RGB Percent	33%, 81%, 87%
CMY	0.6721, 0.1895, 0.1347
CMYK	0.62, 0.06, 0.00, 0.13
HSL	186°, 67%, 60%
HSV	186°, 62%, 87%
XYZ	38.8580, 51.5317, 76.0691
YIQ	171.8190, -77.8020, -21.7220

Conversions

Conversions Part 2

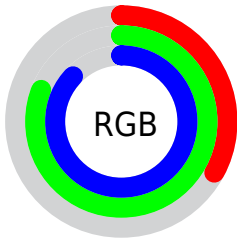
Format	Color
R_{YB}	84, 149, 221
Decimal	5558237
CIE _{Lab}	77.00, -29.77, -17.12
CIE _{LCh}	77, 34.340, 209.904
Yxy	51.5317, 0.2334, 0.3096
Android (android.graphics.Color)	4283748317 (0xFF54CFDD)
YUV	171.8190, 24.2462, -77.0173
Hunter-Lab	71.7856, -29.0017, -12.5779

Details

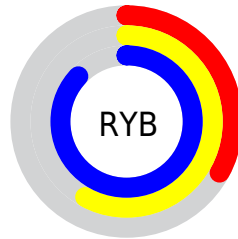
The CIELCh color **77, 34.340, 209.904** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **57, 56.827, 33.890**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.611, 197.412**, and **57, 32.812, 210.964** is the 20% darker color. If you saturate the color by 10%, you get **76, 37.045, 210.776**, and if you desaturate by 10%, it is **78, 30.700, 209.289**.

Distribution



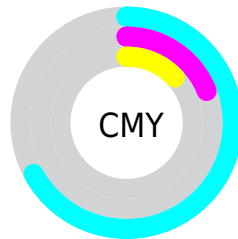
- Red (33%)
- Green (81%)
- Blue (87%)



- Red (33%)
- Yellow (58%)
- Blue (87%)



- Cyan (62%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)



- Cyan (67%)
- Magenta (19%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 34.340, 209.904 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, 34.340, 209.904 by changing the saturation by 10% instead.


 77, 34.340,
209.904

 77, 34.340,
209.904


 100, 34.340,
209.904


 67, 34.340,
209.904


 97, 34.340,
209.904

 57, 34.340,
209.904

 47, 34.340,
209.904

 37, 34.340,
209.904

 27, 34.340,
209.904

 17, 34.340,
209.904

 7, 34.340, 209.904

0, 34.340, 209.904

77, 34.340,
209.904

77, 34.340,
209.904

76, 37.045,
210.776

78, 30.700,
209.289

75, 38.807,
211.949

80, 26.187,
208.894

74, 39.685,
213.459

82, 20.897,
208.683

73, 39.917,
214.859

83, 14.944,
208.625

85, 8.443, 208.705

88, 1.510, 209.174

90, 5.756, 28.889

■ 92, 11.356, 30.617

■ 92, 10.831, 37.348

Harmonies

Complementary

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



77, 34.340, 209.904



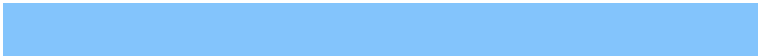
57, 56.827, 33.890

Rectangle

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



77, 34.340, 209.904



77, 34.340, 259.904



77, 34.340, 29.904



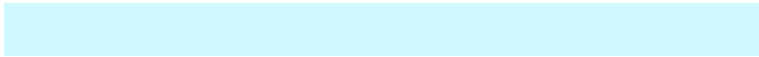
77, 34.340, 79.904

Sweetspot

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



77, 34.339, 209.903



96, 14.582, 208.634



79, 78.762, 141.459



50, 9.940, 208.625



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, 34.339, 209.903



86, 42.127, 211.150



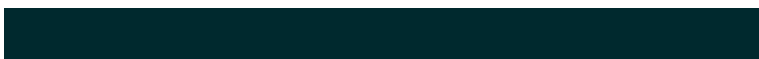
57, 47.930, 278.545



45, 3.967, 208.755



59, 33.385, 214.525



14, 13.604, 211.058

Inverse Universe

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



58, 77.274, 330.920



62, 98.064, 331.621



72, 50.886, 76.880



43, 7.460, 327.858



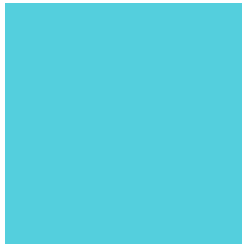
40, 79.916, 332.742



7, 32.173, 331.821

Previews

White Background



This preview shows how the CIELCh color 77, 34.340, 209.904 looks on a white background.

Color Contrast Check

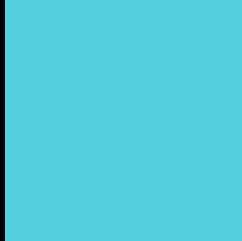
Large Text (above 18pt) WCAG AA × Fail

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, 34.340, 209.904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

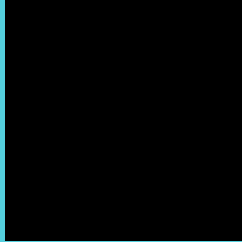
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 34.340, 209.904

Background



This preview shows how black text looks on a background with the CIELCh color 77, 34.340, 209.904.



This preview shows how white text looks on a background with the CIELCh color 77, 34.340, 209.904.

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, 34.340, 209.904

Protanopia

76, 11.305, 289.442

Deuteranopia

76, 22.732, 296.518



Tritanopia
77, 34.011, 212.937

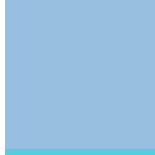
Trichromacy



Original Color
77, 34.340, 209.904



Protanomaly
76, 17.676, 234.110



Deuteranomaly
76, 21.251, 253.432

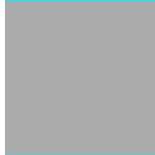


Tritanomaly
77, 34.155, 211.899

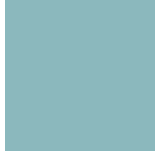
Monochromacy



Original Color
77, 34.340, 209.904



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 15.564, 208.392

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 34.340, 209.904 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(84, 207, 221)` looks like.

```
.text, #text, p{  
    color:rgb(84, 207, 221)  
}
```

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(84, 207, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 207, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 34.340, 209.904 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(84, 207, 221) }
```

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

```
.border{ border-color:rgb(84, 207, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 207, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 207, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 207, 221);  
box-shadow:4px 4px 4px 4px rgb(84, 207,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 34.340, 209.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 207, 221) }
```

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

```
.background{ background-color: rgb(84, 207,  
221) }
```

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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