

Converting Colors

CIELCh(77, 33.141, 195.147)

Have a look what the booklet for
CIELCh(77, 33.141, 195.147)
contains.

CIELCh(77, 33.139, 195.156)	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, 33.139, 195.156)

Conversions

Conversions Part 1

Format	Color
Hex	60CFCD
RGB	96, 207, 205
RGB Percent	38%, 81%, 80%
CMY	0.6234, 0.1881, 0.1960
CMYK	0.54, 0.00, 0.01, 0.19
HSL	179°, 54%, 59%
HSV	179°, 54%, 81%
XYZ	38.1653, 51.5317, 65.7051
YIQ	173.5830, -65.5140, -24.1540

Conversions

Conversions Part 2

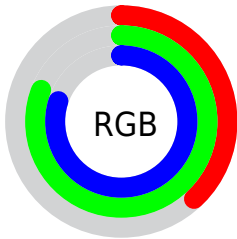
Format	Color
RYB	96, 152, 207
Decimal	6344653
CIELab	77.00, -31.99, -8.66
CIELCh	77, 33.139, 195.156
Yxy	51.5317, 0.2456, 0.3316
Android (android.graphics.Color)	4284534733 (0xFF60CFCD)
YUV	173.5830, 15.4886, -68.0403
Hunter-Lab	71.7856, -30.7241, -4.0180

Details

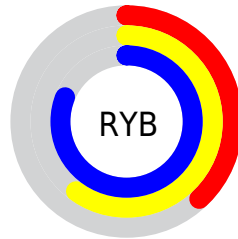
The CIELCh color **77, 33.139, 195.156** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **55, 48.514, 24.635**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 30.658, 197.530**, and **57, 33.082, 195.460** is the 20% darker color. If you saturate the color by 10%, you get **76, 36.979, 194.765**, and if you desaturate by 10%, it is **78, 28.416, 195.588**.

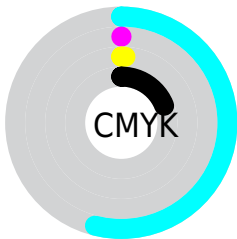
Distribution



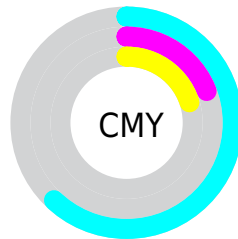
- Red (38%)
- Green (81%)
- Blue (80%)



- Red (38%)
- Yellow (60%)
- Blue (81%)



- Cyan (54%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)





- Cyan (62%)
- Magenta (19%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 33.139, 195.156 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, 33.139, 195.156 by changing the saturation by 10% instead.


 77, 33.139,
195.156


 77, 33.139,
195.156


 100, 33.139,
195.156


 67, 33.139,
195.156


 97, 33.139,
195.156

 57, 33.139,
195.156

 47, 33.139,
195.156

 37, 33.139,
195.156

 27, 33.139,
195.156

 17, 33.139,
195.156

 7, 33.139, 195.156

0, 33.139, 195.156

77, 33.139,
195.156

77, 33.139,
195.156

76, 36.979,
194.765

78, 28.416,
195.588

76, 39.890,
194.416

79, 22.896,
196.066

76, 41.875,
194.101

80, 16.689,
196.589

75, 43.004,
193.812

81, 9.915, 197.162

75, 43.419,
193.635

83, 2.697, 197.896

84, 4.855, 18.177

86, 12.640, 18.874

■ 87, 18.014, 19.124

■ 87, 18.007, 18.510

Harmonies

Complementary

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



77, 33.139, 195.156



55, 48.514, 24.635

Rectangle

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



77, 33.139, 195.156



77, 33.139, 245.156



77, 33.139, 15.156



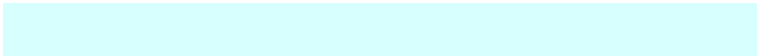
77, 33.139, 65.156

Sweetspot

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



77, 33.139, 195.154



97, 13.700, 197.009



75, 69.664, 139.329



52, 9.194, 196.888



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, 33.139, 195.154



92, 43.722, 194.722



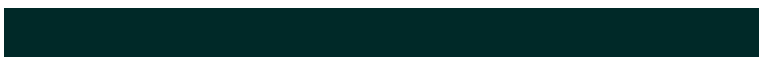
62, 32.737, 262.083



43, 4.210, 197.428



62, 37.211, 193.674



14, 14.190, 194.194

Inverse Universe

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



55, 48.514, 24.635



61, 70.050, 27.603



66, 39.658, 65.398



41, 4.459, 18.467



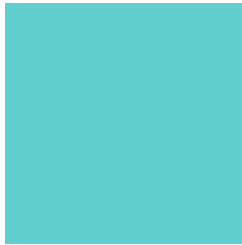
35, 75.702, 39.132



4, 20.016, 18.625

Previews

White Background



This preview shows how the CIELCh color 77, 33.139, 195.156 looks on a white background.

Color Contrast Check

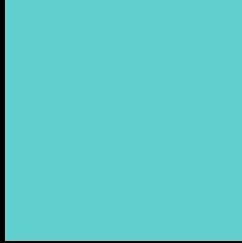
Large Text (above 18pt) WCAG AA × Fail

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, 33.139, 195.156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

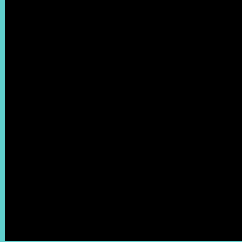
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

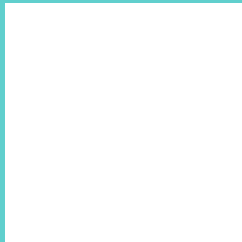
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 33.139, 195.156

Background



This preview shows how black text looks on a background with the CIELCh color 77, 33.139, 195.156.

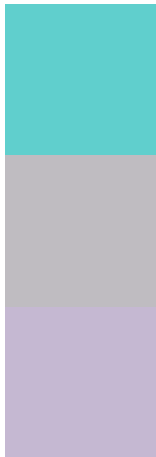


This preview shows how white text looks on a background with the CIELCh color 77, 33.139, 195.156.

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, 33.139, 195.156

Protanopia
77, 2.925, 312.539

Deuteranopia
77, 14.811, 309.621



Tritanopia
77, 30.693, 213.827

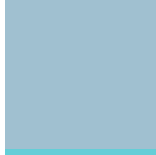
Trichromacy



Original Color
77, 33.139, 195.156



Protanomaly
76, 13.531, 203.009



Deuteranomaly
76, 13.646, 238.136

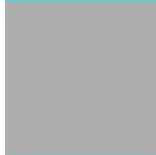


Tritanomaly
77, 31.252, 206.243

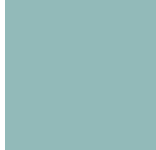
Monochromacy



Original Color
77, 33.139, 195.156



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 14.051, 196.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 33.139, 195.156 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(96, 207, 205)` looks like.

```
.text, #text, p{  
    color:rgb(96, 207, 205)  
}
```

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(96, 207, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 207, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 33.139, 195.156 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(96, 207, 205) }
```

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

```
.border{ border-color:rgb(96, 207, 205) }
```

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

Here you see how a box with a 4 pixel rgb(96, 207, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 207, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 207, 205);  
box-shadow:4px 4px 4px 4px rgb(96, 207,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 33.139, 195.156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 207, 205) }
```

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

```
.background{ background-color: rgb(96, 207,  
205) }
```

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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