

Converting Colors

CIELCh(77, 35.736, 183.445)

Have a look what the booklet for
CIELCh(77, 35.736, 183.445)
contains.

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Color

CIELCh(77, 35.619, 183.652)

Conversions

Conversions Part 1

Format	Color
Hex	60D0C1
RGB	96, 208, 193
RGB Percent	38%, 82%, 76%
CMY	0.6229, 0.1837, 0.2426
CMYK	0.54, 0.00, 0.07, 0.18
HSL	172°, 54%, 60%
HSV	172°, 54%, 82%
XYZ	37.0708, 51.5317, 58.5249
YIQ	172.8020, -61.9370, -28.4090

Conversions

Conversions Part 2

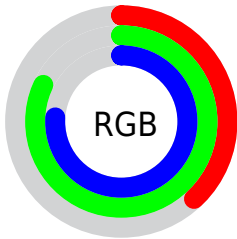
Format	Color
RYB	96, 156, 208
Decimal	6344897
CIELab	77.00, -35.55, -2.27
CIELCh	77, 35.619, 183.652
Yxy	51.5317, 0.2520, 0.3503
Android (android.graphics.Color)	4284534977 (0xFF60D0C1)
YUV	172.8020, 9.9576, -67.3554
Hunter-Lab	71.7856, -33.4456, 1.9124

Details

The CIELCh color **77, 35.619, 183.652** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **55, 47.504, 16.122**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.295, 191.755**, and **57, 35.506, 184.043** is the 20% darker color. If you saturate the color by 10%, you get **76, 40.136, 182.603**, and if you desaturate by 10%, it is **78, 30.275, 184.629**.

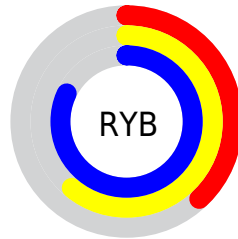
Distribution



Red (38%)

Green (82%)

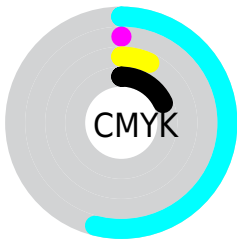
Blue (76%)



Red (38%)

Yellow (61%)

Blue (82%)

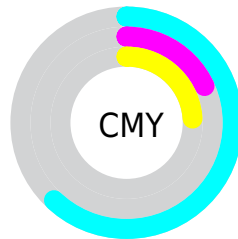


Cyan (54%)

Magenta (0%)

Yellow (7%)

Black (18%)



Cyan (62%)


Magenta (18%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 35.619, 183.652 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, 35.619, 183.652 by changing the saturation by 10% instead.


 77, 35.619,
183.652


 77, 35.619,
183.652


 100, 35.619,
183.652


 67, 35.619,
183.652


 97, 35.619,
183.652

 57, 35.619,
183.652

 47, 35.619,
183.652

 37, 35.619,
183.652

 27, 35.619,
183.652

 17, 35.619,
183.652

 7, 35.619, 183.652

0, 35.619, 183.652

77, 35.619,
183.652

77, 35.619,
183.652

76, 40.136,
182.603

78, 30.275,
184.629

76, 43.759,
181.467

79, 24.207,
185.557

75, 46.474,
180.222

80, 17.539,
186.449

75, 48.336,
178.851

81, 10.400,
187.322

75, 49.203,
177.960

83, 2.913, 188.285

85, 4.812, 8.792

86, 12.678, 9.651

■ 88, 17.757, 8.453

■ 88, 18.040, 3.931

Harmonies

Complementary

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



77, 35.619, 183.652



55, 47.504, 16.122

Rectangle

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



77, 35.619, 183.652



77, 35.619, 233.652



77, 35.619, 3.652



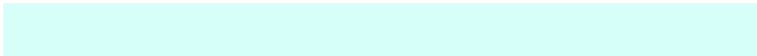
77, 35.619, 53.652

Sweetspot

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



77, 35.619, 183.650



97, 14.146, 187.114



76, 67.943, 136.837



51, 9.508, 186.933



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, 35.619, 183.650



91, 47.687, 182.388



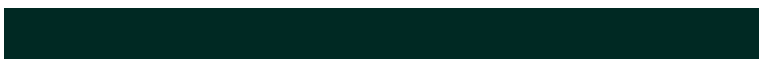
66, 29.348, 246.449



43, 4.325, 187.713



62, 41.906, 178.195



14, 15.548, 181.348

Inverse Universe

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



55, 47.504, 16.122



61, 68.103, 19.543



63, 40.217, 53.779



41, 4.521, 9.165



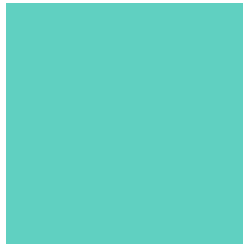
35, 70.840, 33.583



4, 20.096, 13.237

Previews

White Background



This preview shows how the CIELCh color 77, 35.619, 183.652 looks on a white background.

Color Contrast Check

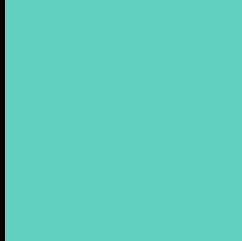
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 77, 35.619, 183.652 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

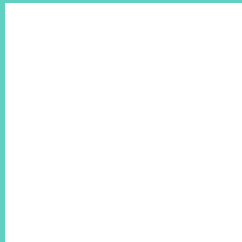
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 35.619, 183.652

Background



This preview shows how black text looks on a background with the CIELCh color 77, 35.619, 183.652.

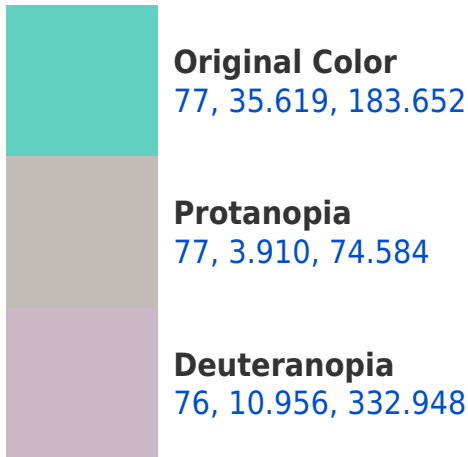


This preview shows how white text looks on a background with the CIELCh color 77, 35.619, 183.652.

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, 29.726, 215.561

Trichromacy



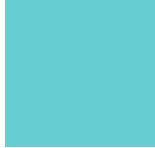
Original Color
77, 35.619, 183.652



Protanomaly
76, 14.166, 178.279



Deuteranomaly
76, 10.027, 211.181

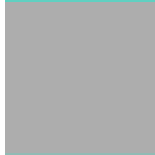


Tritanomaly
77, 31.006, 202.245

Monochromacy



Original Color
77, 35.619, 183.652



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 14.974, 185.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 35.619, 183.652 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, 208, 193)` looks like.

```
.text, #text, p{  
    color:rgb(96, 208, 193)  
}
```

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, 208, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 208, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 35.619, 183.652 is called "border". The border property can be set on classes, ids or directly on the HTML element.

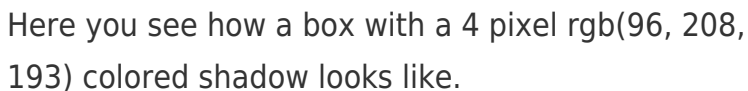
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 208, 193) }
```

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

```
.border{ border-color:rgb(96, 208, 193) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 208, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 208, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 208, 193);  
box-shadow:4px 4px 4px 4px rgb(96, 208,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 35.619, 183.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 208, 193) }
```

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

```
.background{ background-color: rgb(96, 208,  
193) }
```

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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