

Converting Colors

CIELCh(77, 31.215, 171.002)

Have a look what the booklet for
CIELCh(77, 31.215, 171.002)
contains.

CIELCh(77, 31.432, 170.679)	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, 31.432, 170.679)

Conversions

Conversions Part 1

Format	Color
Hex	7CCEB4
RGB	124, 206, 180
RGB Percent	49%, 81%, 71%
CMY	0.5150, 0.1934, 0.2953
CMYK	0.40, 0.00, 0.13, 0.19
HSL	161°, 45%, 65%
HSV	161°, 40%, 81%
XYZ	38.4670, 51.5317, 50.9328
YIQ	178.5180, -40.5260, -25.4700

Conversions

Conversions Part 2

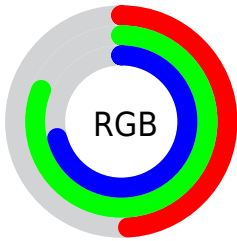
Format	Color
RYB	124, 173, 206
Decimal	8179380
CIELab	77.00, -31.02, 5.09
CIELCh	77, 31.432, 170.679
Yxy	51.5317, 0.2729, 0.3657
Android (android.graphics.Color)	4286369460 (0xFF7CCEB4)
YUV	178.5180, 0.7306, -47.8123
Hunter-Lab	71.7856, -29.9740, 8.1829

Details

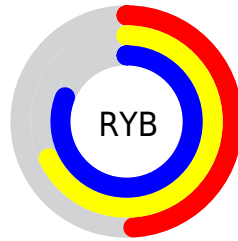
The CIELCh color **77, 31.432, 170.679** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **61, 35.144, 359.563**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.947, 176.397**, and **57, 31.464, 170.667** is the 20% darker color. If you saturate the color by 10%, you get **76, 38.320, 169.384**, and if you desaturate by 10%, it is **78, 24.012, 171.852**.

Distribution



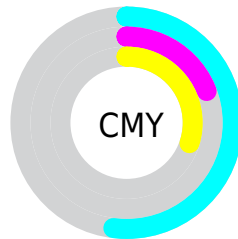
- Red (49%)
- Green (81%)
- Blue (71%)



- Red (49%)
- Yellow (68%)
- Blue (81%)



- Cyan (40%)
- Magenta (0%)
- Yellow (13%)
- Black (19%)





- Cyan (52%)
- Magenta (19%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 31.432, 170.679 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, 31.432, 170.679 by changing the saturation by 10% instead.


 77, 31.432,
170.679


 77, 31.432,
170.679


 100, 31.432,
170.679


 67, 31.432,
170.679


 97, 31.432,
170.679

 57, 31.432,
170.679

 47, 31.432,
170.679

 37, 31.432,
170.679

 27, 31.432,
170.679

 17, 31.432,
170.679

 7, 31.432, 170.679

■ 0, 31.432, 170.679

■ 77, 31.432,
170.679

■ 77, 31.432,
170.679

■ 76, 38.320,
169.384

■ 78, 24.012,
171.852

■ 75, 44.540,
167.946

■ 80, 16.194,
172.930

■ 75, 49.988,
166.338

■ 81, 8.113, 173.945

■ 74, 54.600,
164.539

■ 83, 0.118, 350.706

■ 74, 58.382,
162.536

■ 84, 8.398, 355.605

■ 73, 61.501,
160.386

■ 86, 16.651,
356.445

■ 87, 20.646,
351.379

■ 73, 61.542,
160.358

■ 88, 22.380,
343.682

■ 88, 24.478,
337.245

Harmonies

Complementary

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



77, 31.432, 170.679



61, 35.144, 359.563

Rectangle

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



77, 31.432, 170.679



77, 31.432, 220.679



77, 31.432, 350.679



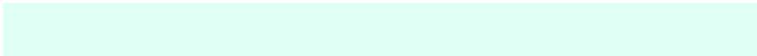
77, 31.432, 40.679

Sweetspot

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



77, 31.433, 170.678



98, 11.731, 173.715



77, 47.964, 132.746



52, 7.773, 173.582



0, 0.000, 0.000



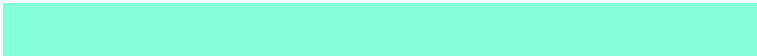
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 31.433, 170.678



92, 44.075, 169.555



74, 22.646, 217.137



42, 4.635, 173.993



60, 52.103, 160.727



12, 17.863, 166.118

Inverse Universe

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



61, 35.144, 359.563



70, 50.473, 1.138



64, 30.368, 36.363



40, 4.755, 355.620



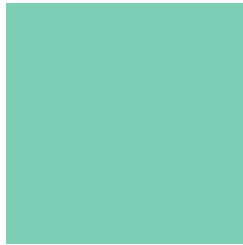
35, 62.878, 19.054



4, 18.626, 4.041

Previews

White Background



This preview shows how the CIELCh color 77, 31.432, 170.679 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, 31.432, 170.679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

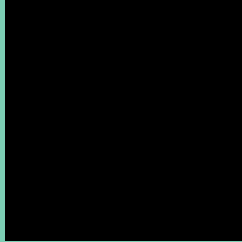
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

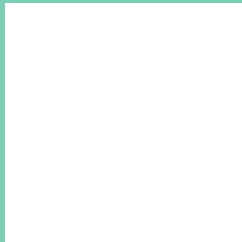
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 31.432, 170.679

Background



This preview shows how black text looks on a background with the CIELCh color 77, 31.432, 170.679.

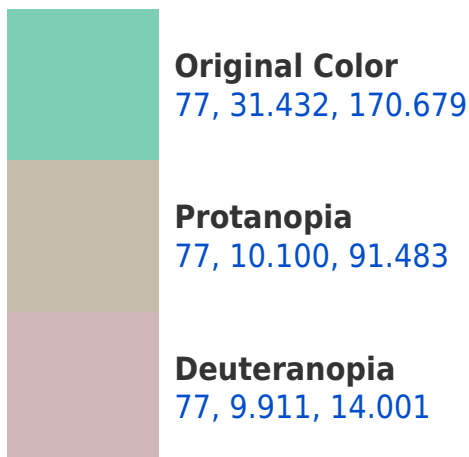


This preview shows how white text looks on a background with the CIELCh color 77, 31.432, 170.679.

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, 22.692, 221.945

Trichromacy



Original Color
77, 31.432, 170.679

Protanomaly
76, 14.696, 148.361

Deuteranomaly
76, 6.484, 157.472

Tritanomaly
77, 23.420, 199.029

Monochromacy



Original Color
77, 31.432, 170.679

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 12.012, 174.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 31.432, 170.679 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(124, 206, 180)` looks like.

```
.text, #text, p{  
    color:rgb(124, 206, 180)  
}
```

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(124, 206, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 206, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 31.432, 170.679 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(124, 206, 180) }
```

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

```
.border{ border-color:rgb(124, 206, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 206, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 206, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 206, 180);  
box-shadow:4px 4px 4px 4px rgb(124, 206,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 31.432, 170.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 206, 180) }
```

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

```
.background{ background-color: rgb(124,  
206, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor