

Converting Colors

CIELCh(77, 58.420, 164.838)

Have a look what the booklet for
CIELCh(77, 58.420, 164.838)
contains.

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Color

CIELCh(77, 58.184, 164.987)

Conversions

Conversions Part 1

Format	Color
Hex	17D7A0
RGB	23, 215, 160
RGB Percent	9%, 84%, 63%
CMY	0.9090, 0.1553, 0.3711
CMYK	0.89, 0.00, 0.26, 0.16
HSL	163°, 81%, 47%
HSV	163°, 89%, 84%
XYZ	31.1327, 51.5317, 41.7277
YIQ	151.3220, -96.7770, -57.8090

Conversions

Conversions Part 2

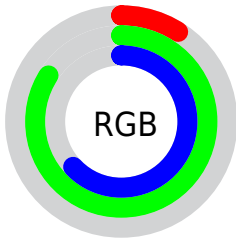
Format	Color
RYB	23, 135, 215
Decimal	1562528
CIELab	77.00, -56.20, 15.07
CIELCh	77, 58.184, 164.987
Yxy	51.5317, 0.2503, 0.4143
Android (android.graphics.Color)	4279752608 (0xFF17D7A0)
YUV	151.3220, 4.2783, -112.5384
Hunter-Lab	71.7856, -48.2112, 15.7857

Details

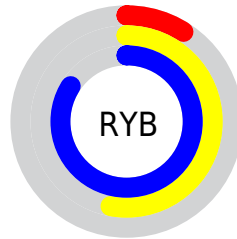
The CIELCh color **77, 58.184, 164.987** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **47, 73.449, 17.171**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 48.946, 171.277**, and **58, 50.701, 160.522** is the 20% darker color. If you saturate the color by 10%, you get **77, 61.128, 162.882**, and if you desaturate by 10%, it is **77, 54.518, 166.928**.

Distribution



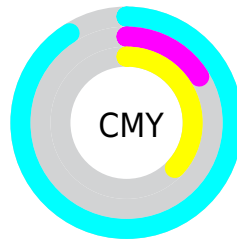
- Red (9%)
- Green (84%)
- Blue (63%)



- Red (9%)
- Yellow (53%)
- Blue (84%)



- Cyan (89%)
- Magenta (0%)
- Yellow (26%)
- Black (16%)



- Cyan (91%)
- Magenta (16%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 58.184, 164.987 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, 58.184, 164.987 by changing the saturation by 10% instead.

 77, 58.184,
164.987

 77, 58.184,
164.987


 100, 58.184,
164.987

 67, 58.184,
164.987


 97, 58.184,
164.987

 57, 58.184,
164.987

 47, 58.184,
164.987

 37, 58.184,
164.987

 27, 58.184,
164.987

 17, 58.184,
164.987

 7, 58.184, 164.987

■ 0, 58.184, 164.987

■ 77, 58.184,
164.987

■ 77, 58.184,
164.987

■ 77, 61.128,
162.882

■ 77, 54.518,
166.928

■ 77, 61.347,
162.722

■ 78, 49.980,
168.671

■ 79, 44.565,
170.231

■ 79, 38.335,
171.630

■ 80, 31.401,
172.895

■ 82, 23.896,
174.049

■ 83, 15.963,
175.116

■ 85, 7.737, 176.130

■ 86, 0.660, 356.209

Harmonies

Complementary

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



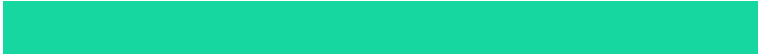
77, 58.184, 164.987



47, 73.449, 17.171

Rectangle

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



77, 58.184, 164.987



77, 58.184, 214.987



77, 58.184, 344.987



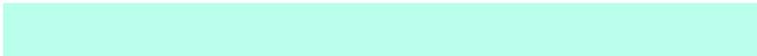
77, 58.184, 34.987

Sweetspot

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



77, 58.184, 164.986



95, 25.406, 174.265



76, 97.583, 132.557



50, 17.013, 173.884



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, 58.184, 164.986



89, 69.929, 162.497



67, 37.725, 231.991



44, 4.738, 176.110



62, 51.322, 163.094



15, 18.834, 167.656

Inverse Universe

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



47, 73.449, 17.171



54, 88.945, 23.577



49, 79.751, 43.086



42, 4.875, 357.750



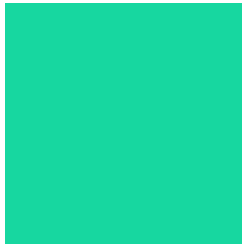
36, 65.260, 21.972



5, 22.236, 6.919

Previews

White Background



This preview shows how the CIELCh color 77, 58.184, 164.987 looks on a white background.

Color Contrast Check

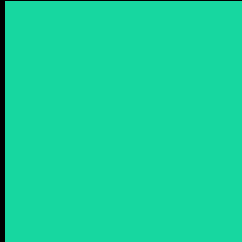
Large Text (above 18pt) WCAG AA × Fail

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, 58.184, 164.987 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, 58.184, 164.987

Background



This preview shows how black text looks on a background with the CIELCh color 77, 58.184, 164.987.

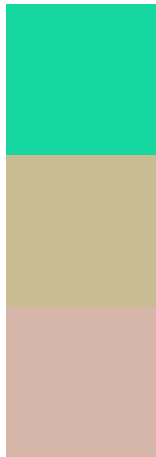


This preview shows how white text looks on a background with the CIELCh color 77, 58.184, 164.987.

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, 58.136, 164.963

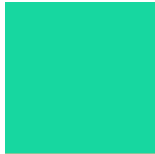
Protanopia
76, 22.517, 94.619

Deuteranopia
76, 14.712, 50.693



Tritanopia
77, 36.164, 211.837

Trichromacy



Original Color
77, 58.136, 164.963



Protanomaly
75, 33.860, 150.166



Deuteranomaly
74, 23.986, 156.896

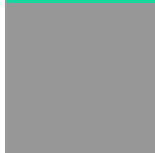


Tritanomaly
77, 41.560, 189.703

Monochromacy



Original Color
77, 58.136, 164.963



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 27.018, 172.913

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 58.184, 164.987 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(23, 215, 160)` looks like.

```
.text, #text, p{  
    color:rgb(23, 215, 160)  
}
```

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(23, 215, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 215, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 58.184, 164.987 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(23, 215, 160) }
```

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

```
.border{ border-color:rgb(23, 215, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 215, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 215, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 215, 160);  
box-shadow:4px 4px 4px 4px rgb(23, 215,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 58.184, 164.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 215, 160) }
```

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

```
.background{ background-color: rgb(23, 215,  
160) }
```

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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