

# Converting Colors

CIELCh(76, 42.498, 183.029)

Have a look what the booklet for  
CIELCh(76, 42.498, 183.029)  
contains.

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**Color**

**CIELCh(76, 42.417, 183.033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CD0BE
RGB	60, 208, 190
RGB Percent	24%, 82%, 75%
CMY	0.7637, 0.1836, 0.2543
CMYK	0.71, 0.00, 0.09, 0.18
HSL	173°, 61%, 53%
HSV	173°, 71%, 82%
XYZ	33.7872, 49.8872, 56.6572
YIQ	161.6960, -82.4300, -36.9740

# Conversions

## Conversions Part 2

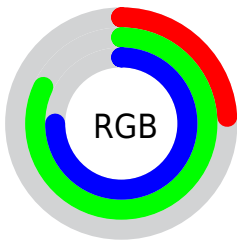
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 139, 208
Decimal	3985598
CIELab	76.00, -42.36, -2.24
CIELCh	76, 42.417, 183.033
Yxy	49.8872, 0.2408, 0.3555
Android (android.graphics.Color)	4282175678 (0xFF3CD0BE)
YUV	161.6960, 13.9539, -89.1874
Hunter-Lab	70.6309, -38.2162, 1.8817

# Details

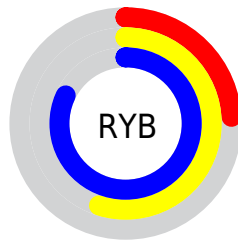
The CIELCh color **76, 42.417, 183.033** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted spring green. A complement of this color would be **49, 63.319, 22.309**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.031, 189.972**, and **57, 37.724, 181.881** is the 20% darker color. If you saturate the color by 10%, you get **76, 45.286, 181.891**, and if you desaturate by 10%, it is **77, 38.633, 184.080**.

# Distribution



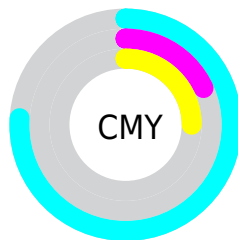
- Red (24%)
- Green (82%)
- Blue (75%)



- Red (24%)
- Yellow (55%)
- Blue (82%)



- Cyan (71%)
- Magenta (0%)
- Yellow (9%)
- Black (18%)




- Cyan (76%)
- Magenta (18%)
- Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 42.417, 183.033 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 76, 42.417, 183.033 by changing the saturation by 10% instead.





 76, 42.417,  
183.033

 76, 42.417,  
183.033


 100, 42.417,  
183.033


 66, 42.417,  
183.033


 96, 42.417,  
183.033


 56, 42.417,  
183.033

 46, 42.417,  
183.033

 36, 42.417,  
183.033

 26, 42.417,  
183.033

 16, 42.417,  
183.033

 6, 42.417, 183.033

0, 42.417, 183.033

76, 42.417,  
183.033

76, 42.417,  
183.033

76, 45.286,  
181.891

77, 38.633,  
184.080

75, 47.277,  
180.640

77, 33.962,  
185.055

75, 48.489,  
179.441

78, 28.482,  
185.976

79, 22.301,  
186.858

80, 15.544,  
187.714

82, 8.340, 188.567

■ 83, 0.809, 189.982

■ 85, 6.941, 10.015

■ 87, 14.821, 10.830

# Harmonies

# Complementary

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



76, 42.417, 183.033



49, 63.319, 22.309

# Rectangle

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



76, 42.417, 183.033



76, 42.417, 233.033



76, 42.417, 3.033



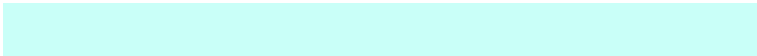
76, 42.417, 53.033

# Sweetspot

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



76, 42.417, 183.032



96, 18.266, 187.698



74, 86.016, 135.939



51, 12.276, 187.461



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



76, 42.417, 183.032



91, 54.040, 181.288



60, 37.073, 254.552



43, 4.307, 188.712



62, 41.305, 179.661



14, 15.376, 182.596



# Inverse Universe

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



49, 63.319, 22.309



55, 87.677, 28.611



58, 55.720, 54.302



41, 4.509, 10.133



35, 71.402, 34.317



4, 20.080, 13.804



# Previews

## White Background



This preview shows how the CIELCh color 76, 42.417, 183.033 looks on a white background.

## Color Contrast Check

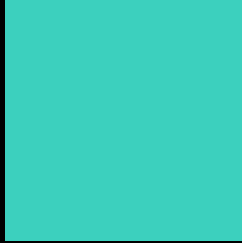
Large Text (above 18pt) WCAG AA × Fail

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 76, 42.417, 183.033 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

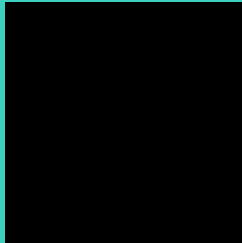
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

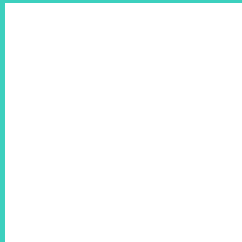
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 76, 42.417, 183.033**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 76, 42.417, 183.033.

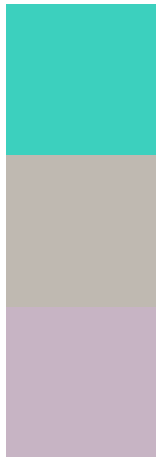


This preview shows how white text looks on a background with the CIELCh color 76, 42.417, 183.033.

# 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**  
76, 42.417, 183.033

**Protanopia**  
75, 4.846, 81.760

**Deuteranopia**  
75, 11.151, 329.645





**Tritanopia**  
76, 34.871, 211.559

# Trichromacy



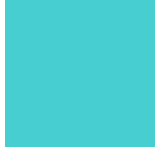
**Original Color**  
76, 42.417, 183.033



**Protanomaly**  
74, 18.692, 179.338



**Deuteranomaly**  
74, 14.236, 207.163

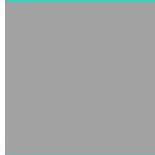


**Tritanomaly**  
76, 36.795, 199.351

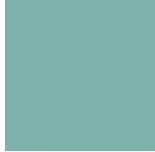
# Monochromacy



**Original Color**  
76, 42.417, 183.033



**Achromatopsia**  
67, 0.008, 296.813



**Achromatomaly**  
69, 19.299, 186.284

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 42.417, 183.033 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(60, 208, 190)` looks like.

```
.text, #text, p{  
    color:rgb(60, 208, 190)  
}
```

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(60, 208, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 208, 190) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 42.417, 183.033 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(60, 208, 190) }
```

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

```
.border{ border-color:rgb(60, 208, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 208, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 208, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 208, 190);  
box-shadow:4px 4px 4px 4px rgb(60, 208,  
190) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 42.417, 183.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 208, 190) }
```

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

```
.background{ background-color: rgb(60, 208,  
190) }
```

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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