

Converting Colors

CIELCh(77, 10.438, 150.980)

Have a look what the booklet for
CIELCh(77, 10.438, 150.980)
contains.

CIELCh(77, 10.749, 150.291)	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, 10.749, 150.291)

Conversions

Conversions Part 1

Format	Color
Hex	B0C3B4
RGB	176, 195, 180
RGB Percent	69%, 76%, 71%
CMY	0.3099, 0.2354, 0.2943
CMYK	0.10, 0.00, 0.08, 0.24
HSL	133°, 14%, 73%
HSV	133°, 10%, 76%
XYZ	45.6363, 51.5317, 50.7007
YIQ	187.6090, -6.5090, -8.6930

Conversions

Conversions Part 2

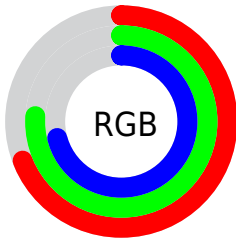
Format	Color
RYB	176, 192, 195
Decimal	11584436
CIELab	77.00, -9.34, 5.33
CIELCh	77, 10.749, 150.291
Yxy	51.5317, 0.3086, 0.3485
Android (android.graphics.Color)	4289774516 (0xFFB0C3B4)
YUV	187.6090, -3.7512, -10.1811
Hunter-Lab	71.7856, -12.1470, 8.3746

Details

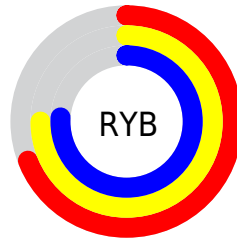
The CIELCh color `77, 10.749, 150.291` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `74, 10.787, 331.477`, and the grayscale version is `76, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 10.853, 150.046`, and `57, 10.735, 150.504` is the 20% darker color. If you saturate the color by 10%, you get `75, 21.869, 149.522`, and if you desaturate by 10%, it is `79, 0.286, 329.843`.

Distribution



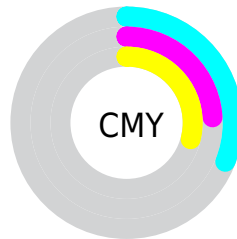
- Red (69%)
- Green (76%)
- Blue (71%)



- Red (69%)
- Yellow (75%)
- Blue (76%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (24%)





- Cyan (31%)
- Magenta (24%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 10.749, 150.291 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, 10.749, 150.291 by changing the saturation by 10% instead.


 77, 10.749,
150.291


 77, 10.749,
150.291


 100, 10.749,
150.291


 67, 10.749,
150.291


 97, 10.749,
150.291

 57, 10.749,
150.291

 47, 10.749,
150.291

 37, 10.749,
150.291

 27, 10.749,
150.291

 17, 10.749,
150.291

 7, 10.749, 150.291

■ 0, 10.749, 150.291

■ 77, 10.749,
150.291

■ 77, 10.749,
150.291

■ 75, 21.869,
149.522

■ 79, 0.286, 329.843

■ 74, 32.931,
148.644

■ 81, 11.140,
331.452

■ 73, 43.764,
147.629

■ 83, 21.740,
331.959

■ 72, 54.157,
146.460

■ 85, 32.041,
332.398

■ 71, 63.880,
145.128

■ 86, 37.653,
325.732

■ 70, 72.691,
143.638

■ 69, 80.357,
142.020

■ 69, 86.680,
140.340

■ 69, 91.582,
138.761

Harmonies

Complementary

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



77, 10.749, 150.291



74, 10.787, 331.477

Rectangle

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



77, 10.749, 150.291



77, 10.749, 200.291



77, 10.749, 330.291



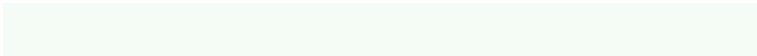
77, 10.749, 20.291

Sweetspot

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



77, 10.751, 150.290



98, 4.057, 150.800



78, 10.235, 117.340



53, 3.104, 150.728



0, 0.000, 0.000



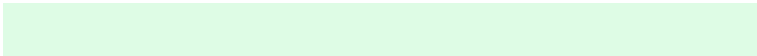
53, 0.007, 296.813

Same Dimension

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



77, 10.751, 150.290



96, 16.349, 150.111



77, 7.597, 175.128



40, 6.221, 150.318



58, 78.965, 138.978



10, 21.895, 148.152

Inverse Universe

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



74, 10.787, 331.477



92, 16.406, 331.639



74, 7.812, 356.824



38, 6.242, 331.452



36, 69.623, 338.666



4, 19.830, 335.102

Previews

White Background



This preview shows how the CIELCh color 77, 10.749, 150.291 looks on a white background.

Color Contrast Check

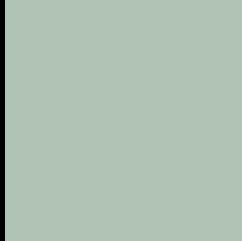
Large Text (above 18pt) WCAG AA × Fail

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, 10.749, 150.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

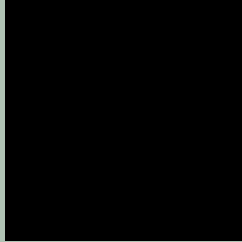
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

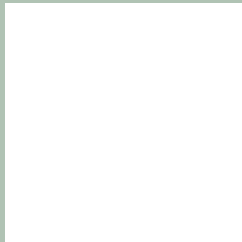
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 10.749, 150.291

Background



This preview shows how black text looks on a background with the CIELCh color 77, 10.749, 150.291.



This preview shows how white text looks on a background with the CIELCh color 77, 10.749, 150.291.

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](#).

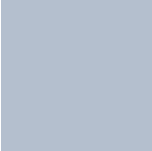
Dichromacy



Original Color
77, 10.749, 150.291

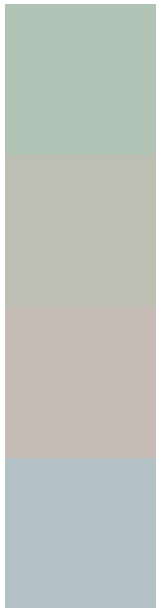
Protanopia
77, 6.937, 86.968

Deuteranopia
77, 10.705, 23.085



Tritanopia
77, 8.856, 265.027

Trichromacy



Original Color
77, 10.749, 150.291

Protanomaly
77, 6.998, 115.713

Deuteranomaly
77, 5.245, 57.304

Tritanomaly
77, 5.330, 229.496

Monochromacy



Original Color
77, 10.749, 150.291

Achromatopsia
76, 0.009, 296.813

Achromatomaly
77, 4.152, 148.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 10.749, 150.291 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(176, 195, 180)` looks like.

```
.text, #text, p{  
    color:rgb(176, 195, 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(176, 195, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 195, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 10.749, 150.291 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(176, 195, 180) }
```

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

```
.border{ border-color:rgb(176, 195, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 195, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 195, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 195, 180);  
box-shadow:4px 4px 4px 4px rgb(176, 195,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 10.749, 150.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 195, 180) }
```

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

```
.background{ background-color: rgb(176,  
195, 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