

Converting Colors

CIELCh(77, 48.390, 150.454)

Have a look what the booklet for
CIELCh(77, 48.390, 150.454)
contains.

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Color

CIELCh(77, 48.149, 150.300)

Conversions

Conversions Part 1

Format	Color
Hex	74D190
RGB	116, 209, 144
RGB Percent	45%, 82%, 56%
CMY	0.5438, 0.1790, 0.4340
CMYK	0.44, 0.00, 0.31, 0.18
HSL	138°, 50%, 64%
HSV	138°, 44%, 82%
XYZ	35.1926, 51.5317, 34.6069
YIQ	173.7830, -34.5630, -39.9310

Conversions

Conversions Part 2

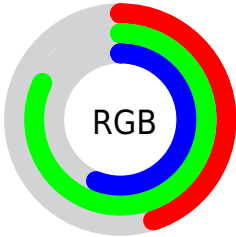
Format	Color
RYB	116, 187, 209
Decimal	7655824
CIELab	77.00, -41.82, 23.86
CIELCh	77, 48.149, 150.300
Yxy	51.5317, 0.2901, 0.4247
Android (android.graphics.Color)	4285845904 (0xFF74D190)
YUV	173.7830, -14.6830, -50.6757
Hunter-Lab	71.7856, -38.1161, 21.6670

Details

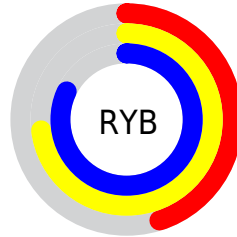
The CIELCh color **77, 48.149, 150.300** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **61, 48.651, 337.712**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 41.404, 152.080**, and **57, 48.240, 150.170** is the 20% darker color. If you saturate the color by 10%, you get **76, 58.123, 148.992**, and if you desaturate by 10%, it is **78, 37.642, 151.438**.

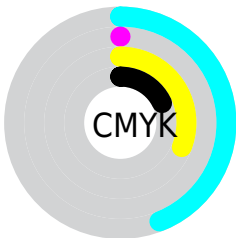
Distribution



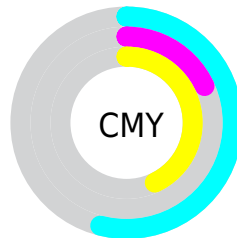
- Red (45%)
- Green (82%)
- Blue (56%)



- Red (45%)
- Yellow (73%)
- Blue (82%)



- Cyan (44%)
- Magenta (0%)
- Yellow (31%)
- Black (18%)



- Cyan (54%)
- Magenta (18%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 48.149, 150.300 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, 48.149, 150.300 by changing the saturation by 10% instead.

 77, 48.149,
150.300

 77, 48.149,
150.300

 100, 48.149,
150.300

 67, 48.149,
150.300

 97, 48.149,
150.300

 57, 48.149,
150.300

 47, 48.149,
150.300

 37, 48.149,
150.300

 27, 48.149,
150.300

 17, 48.149,
150.300

 7, 48.149, 150.300

0, 48.149, 150.300

77, 48.149,
150.300

77, 48.149,
150.300

76, 58.123,
148.992

78, 37.642,
151.438

75, 67.349,
147.500

80, 26.802,
152.428

74, 75.633,
145.824

81, 15.813,
153.294

74, 82.821,
143.984

83, 4.824, 154.092

74, 88.820,
142.038

85, 6.045, 334.618

87, 16.709,
335.235

74, 91.708,
140.994

89, 25.282,

330.947

■ 89, 28.616,
325.421

Harmonies

Complementary

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



77, 48.149, 150.300



61, 48.651, 337.712

Rectangle

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



77, 48.149, 150.300



77, 48.149, 200.300



77, 48.149, 330.300



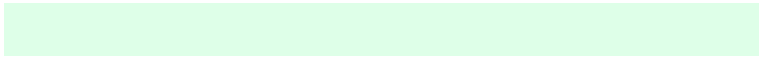
77, 48.149, 20.300

Sweetspot

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



77, 48.150, 150.300



97, 16.714, 153.398



80, 49.182, 119.263



51, 11.704, 153.216



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, 48.150, 150.300



91, 66.520, 149.107



78, 32.140, 178.919



43, 6.199, 153.694



60, 77.377, 141.318



13, 26.059, 147.687

Inverse Universe

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



61, 48.651, 337.712



69, 66.872, 338.572



60, 38.913, 9.032



41, 6.231, 334.929



37, 67.674, 344.796



5, 24.686, 340.982

Previews

White Background



This preview shows how the CIELCh color 77, 48.149, 150.300 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, 48.149, 150.300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

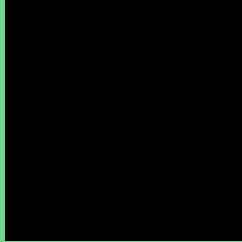
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 48.149, 150.300

Background



This preview shows how black text looks on a background with the CIELCh color 77, 48.149, 150.300.

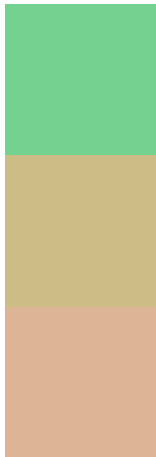


This preview shows how white text looks on a background with the CIELCh color 77, 48.149, 150.300.

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, 48.149, 150.300

Protanopia
77, 29.382, 95.317

Deuteranopia
76, 23.199, 65.386



Tritanopia
77, 22.557, 220.586

Trichromacy



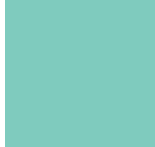
Original Color
77, 48.149, 150.300



Protanomaly
76, 32.178, 124.534



Deuteranomaly
76, 23.201, 116.848



Tritanomaly
77, 26.524, 182.071

Monochromacy



Original Color
77, 48.149, 150.300



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 18.288, 152.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 48.149, 150.300 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(116, 209, 144)` looks like.

```
.text, #text, p{  
    color:rgb(116, 209, 144)  
}
```

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(116, 209, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 209, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 48.149, 150.300 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(116, 209, 144) }
```

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

```
.border{ border-color:rgb(116, 209, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 209, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 209, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 209, 144);  
box-shadow:4px 4px 4px 4px rgb(116, 209,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 48.149, 150.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 209, 144) }
```

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

```
.background{ background-color: rgb(116,  
209, 144) }
```

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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