

Converting Colors

CIELCh(77, 48.872, 143.502)

Have a look what the booklet for
CIELCh(77, 48.872, 143.502)
contains.

CIELCh(77, 48.607, 143.650)	3
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Color

CIELCh(77, 48.607, 143.650)

Conversions

Conversions Part 1

Format	Color
Hex	81D087
RGB	129, 208, 135
RGB Percent	51%, 82%, 53%
CMY	0.4941, 0.1843, 0.4706
CMYK	0.38, 0.00, 0.35, 0.18
HSL	125°, 46%, 66%
HSV	125°, 38%, 82%
XYZ	35.9851, 51.5317, 30.9735
YIQ	176.0570, -23.6510, -39.4510

Conversions

Conversions Part 2

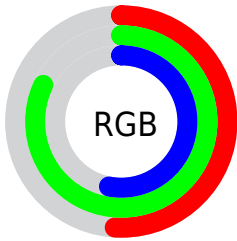
Format	Color
RYB	129, 202, 208
Decimal	8507527
CIELab	77.00, -39.15, 28.81
CIElCh	77, 48.607, 143.650
Yxy	51.5317, 0.3037, 0.4349
Android (android.graphics.Color)	4286697607 (0xFF81D087)
YUV	176.0570, -20.2411, -41.2690
Hunter-Lab	71.7856, -36.1454, 24.6679

Details

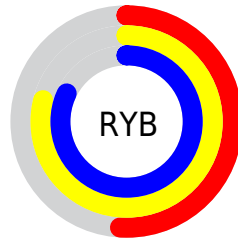
The CIELCh color **77, 48.607, 143.650** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **64, 48.555, 328.715**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 42.191, 144.077**, and **57, 48.752, 143.473** is the 20% darker color. If you saturate the color by 10%, you get **76, 60.717, 142.575**, and if you desaturate by 10%, it is **78, 35.980, 144.590**.

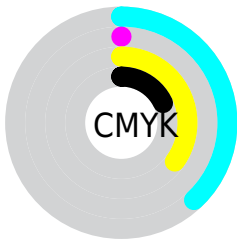
Distribution



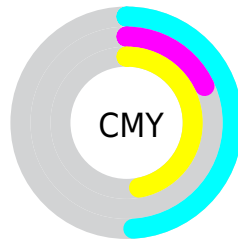
- Red (51%)
- Green (82%)
- Blue (53%)



- Red (51%)
- Yellow (79%)
- Blue (82%)



- Cyan (38%)
- Magenta (0%)
- Yellow (35%)
- Black (18%)



- Cyan (49%)
- Magenta (18%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 48.607, 143.650 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, 48.607, 143.650 by changing the saturation by 10% instead.

 77, 48.607,
143.650

 77, 48.607,
143.650


 100, 48.607,
143.650

 67, 48.607,
143.650

 97, 48.607,
143.650

 57, 48.607,
143.650

 47, 48.607,
143.650

 37, 48.607,
143.650

 27, 48.607,
143.650

 17, 48.607,
143.650

 7, 48.607, 143.650

■ 0, 48.607, 143.650

■ 77, 48.607,
143.650

■ 77, 48.607,
143.650

■ 76, 60.717,
142.575

■ 78, 35.980,
144.590

■ 75, 71.976,
141.375

■ 80, 23.105,
145.402

■ 74, 82.007,
140.089

■ 82, 10.200,
146.107

■ 74, 90.396,
138.794


■ 84, 2.571, 326.556

■ 73, 96.738,
137.610

■ 86, 15.094,
327.148

■ 73, 100.769,
136.693

■ 88, 27.294,
327.584

 73, 101.334,
136.577

 89, 29.460,
325.450

Harmonies

Complementary

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



77, 48.607, 143.650



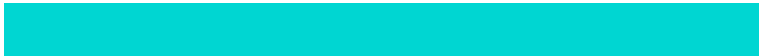
64, 48.555, 328.715

Rectangle

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



77, 48.607, 143.650



77, 48.607, 193.650



77, 48.607, 323.650



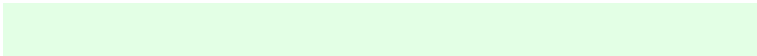
77, 48.607, 13.650

Sweetspot

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



77, 48.608, 143.650



97, 16.623, 145.894



81, 40.977, 109.538



52, 11.178, 145.799



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, 48.608, 143.650



91, 68.816, 142.738



78, 33.284, 163.588



43, 7.291, 146.011



60, 86.275, 136.711



13, 29.397, 143.317

Inverse Universe

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



64, 48.555, 328.715



74, 68.514, 329.185



63, 35.479, 351.441



41, 7.304, 327.065



39, 79.795, 331.481



5, 29.360, 330.428

Previews

White Background



This preview shows how the CIELCh color 77, 48.607, 143.650 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, 48.607, 143.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

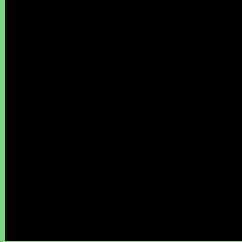
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 48.607, 143.650

Background



This preview shows how black text looks on a background with the CIELCh color 77, 48.607, 143.650.

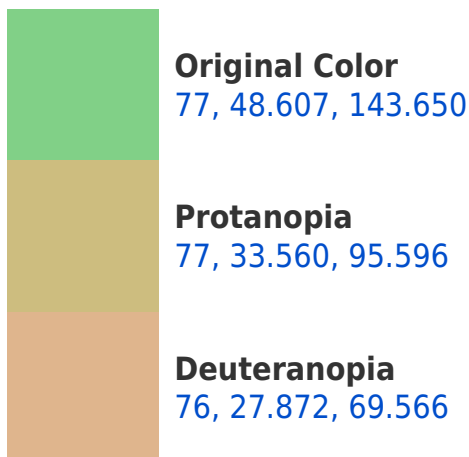


This preview shows how white text looks on a background with the CIELCh color 77, 48.607, 143.650.

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, 19.002, 225.374

Trichromacy



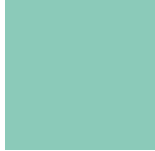
Original Color
77, 48.607, 143.650



Protanomaly
76, 35.626, 119.365



Deuteranomaly
76, 27.624, 109.241

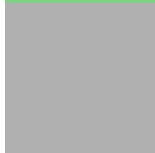


Tritanomaly
77, 23.849, 175.032

Monochromacy



Original Color
77, 48.607, 143.650



Achromatopsia
72, 0.009, 296.813



Achromatomaly
73, 18.328, 145.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 48.607, 143.650 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(129, 208, 135)` looks like.

```
.text, #text, p{  
    color:rgb(129, 208, 135)  
}
```

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(129, 208, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 208, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 48.607, 143.650 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(129, 208, 135) }
```

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

```
.border{ border-color:rgb(129, 208, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 208, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 208, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 208, 135); box-shadow:4px 4px 4px 4px rgb(129, 208, 135) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 48.607, 143.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 208, 135) }
```

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

```
.background{ background-color: rgb(129,  
208, 135) }
```

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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