

Converting Colors

CIELCh(77, 46.442, 156.153)

Have a look what the booklet for
CIELCh(77, 46.442, 156.153)
contains.

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Color

CIELCh(77, 46.442, 156.153)

Conversions

Conversions Part 1

Format	Color
Hex	6CD29A
RGB	108, 210, 154
RGB Percent	42%, 82%, 60%
CMY	0.5770, 0.1770, 0.3966
CMYK	0.49, 0.00, 0.27, 0.18
HSL	147°, 53%, 62%
HSV	147°, 49%, 82%
XYZ	35.0008, 51.5317, 38.6163
YIQ	173.1180, -42.8160, -39.0400

Conversions

Conversions Part 2

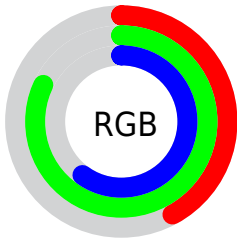
Format	Color
RYB	108, 178, 210
Decimal	7131802
CIELab	77.00, -42.48, 18.78
CIELCh	77, 46.442, 156.153
Yxy	51.5317, 0.2797, 0.4118
Android (android.graphics.Color)	4285321882 (0xFF6CD29A)
YUV	173.1180, -9.4252, -57.1085
Hunter-Lab	71.7856, -38.5930, 18.3555

Details

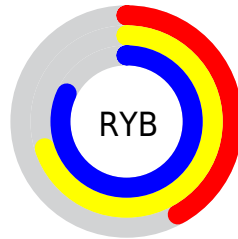
The CIELCh color **77, 46.442, 156.153** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **59, 48.271, 345.901**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 38.976, 159.649**, and **57, 46.441, 156.224** is the 20% darker color. If you saturate the color by 10%, you get **76, 54.885, 154.696**, and if you desaturate by 10%, it is **78, 37.411, 157.432**.

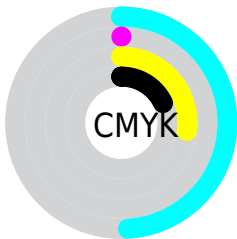
Distribution



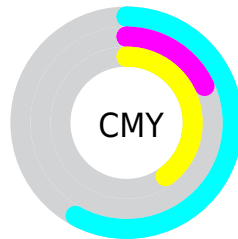
- Red (42%)
- Green (82%)
- Blue (60%)



- Red (42%)
- Yellow (70%)
- Blue (82%)



- Cyan (49%)
- Magenta (0%)
- Yellow (27%)
- Black (18%)





- Cyan (58%)
- Magenta (18%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 46.442, 156.153 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, 46.442, 156.153 by changing the saturation by 10% instead.


 77, 46.442,
156.153

 77, 46.442,
156.153


 100, 46.442,
156.153


 67, 46.442,
156.153


 97, 46.442,
156.153

 57, 46.442,
156.153

 47, 46.442,
156.153

 37, 46.442,
156.153

 27, 46.442,
156.153

 17, 46.442,
156.153

 7, 46.442, 156.153

■ 0, 46.442, 156.153

■ 77, 46.442,
156.153

■ 77, 46.442,
156.153

■ 76, 54.885,
154.696

■ 78, 37.411,
157.432

■ 75, 62.581,
153.042

■ 79, 27.960,
158.558

■ 75, 69.414,
151.177

■ 81, 18.252,
159.558

■ 74, 75.332,
149.110

■ 83, 8.435, 160.466

■ 74, 80.404,
146.905

■ 84, 1.371, 340.916

■ 74, 81.078,
146.609

■ 86, 11.073,
341.889

■ 89, 20.599,

342.557

■ 89, 24.671,
331.595

■ 89, 28.294,
325.410

Harmonies

Complementary

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



77, 46.442, 156.153



59, 48.271, 345.901

Rectangle

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



77, 46.442, 156.153



77, 46.442, 206.153



77, 46.442, 336.153



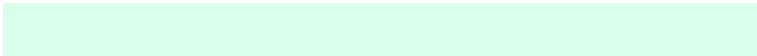
77, 46.442, 26.153

Sweetspot

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



77, 46.443, 156.153



97, 17.240, 159.878



79, 55.467, 124.995



51, 11.761, 159.681



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, 46.443, 156.153



91, 63.614, 154.689



78, 31.639, 192.148



43, 5.547, 160.395



60, 68.242, 146.987



13, 23.347, 152.536

Inverse Universe

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



59, 48.271, 345.901



66, 65.974, 347.353



58, 43.523, 21.218



41, 5.604, 341.811



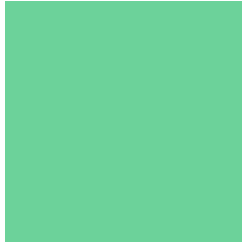
36, 62.860, 357.151



5, 22.356, 350.731

Previews

White Background



This preview shows how the CIELCh color 77, 46.442, 156.153 looks on a white background.

Color Contrast Check

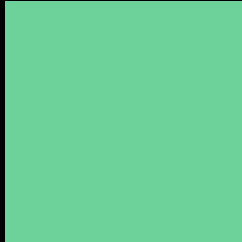
Large Text (above 18pt) WCAG AA × Fail

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, 46.442, 156.153 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, 46.442, 156.153

Background



This preview shows how black text looks on a background with the CIELCh color 77, 46.442, 156.153.

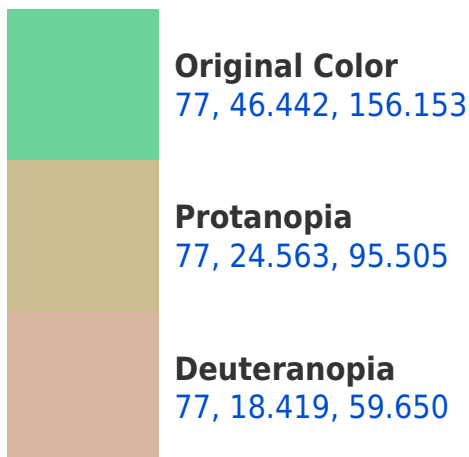


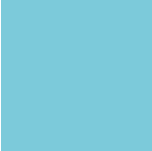
This preview shows how white text looks on a background with the CIELCh color 77, 46.442, 156.153.

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, 25.224, 217.894

Trichromacy



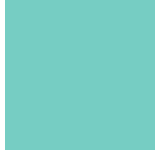
Original Color
77, 46.442, 156.153



Protanomaly
76, 28.437, 131.103



Deuteranomaly
76, 19.107, 126.154

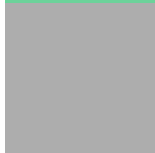


Tritanomaly
77, 28.814, 186.467

Monochromacy



Original Color
77, 46.442, 156.153



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 17.575, 159.864

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 46.442, 156.153 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(108, 210, 154)` looks like.

```
.text, #text, p{  
    color:rgb(108, 210, 154)  
}
```

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(108, 210, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 210, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 46.442, 156.153 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(108, 210, 154) }
```

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

```
.border{ border-color:rgb(108, 210, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 210, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 210, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 210, 154);  
box-shadow:4px 4px 4px 4px rgb(108, 210,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 46.442, 156.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 210, 154) }
```

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

```
.background{ background-color: rgb(108,  
210, 154) }
```

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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