

Converting Colors

CIELCh(77, 64.597, 156.674)

Have a look what the booklet for
CIELCh(77, 64.597, 156.674)
contains.

CIELCh(77, 64.760, 156.567)	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, 64.760, 156.567)

Conversions

Conversions Part 1

Format	Color
Hex	2AD88C
RGB	42, 216, 140
RGB Percent	16%, 85%, 55%
CMY	0.8349, 0.1527, 0.4508
CMYK	0.81, 0.00, 0.35, 0.15
HSL	154°, 69%, 51%
HSV	154°, 81%, 85%
XYZ	30.2680, 51.5317, 33.1834
YIQ	155.3100, -79.3080, -60.5240

Conversions

Conversions Part 2

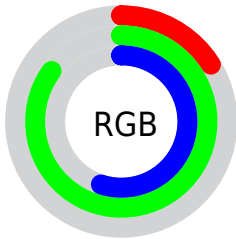
Format	Color
RYB	42, 153, 216
Decimal	2807948
CIELab	77.00, -59.42, 25.75
CIELCh	77, 64.760, 156.567
Yxy	51.5317, 0.2632, 0.4482
Android (android.graphics.Color)	4280998028 (0xFF2AD88C)
YUV	155.3100, -7.5478, -99.3729
Hunter-Lab	71.7856, -50.3614, 22.8427

Details

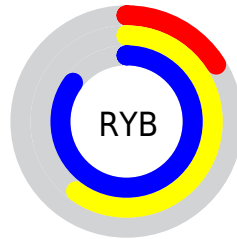
The CIELCh color **77, 64.760, 156.567** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **49, 69.333, 0.461**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 54.513, 160.822**, and **58, 58.858, 152.430** is the 20% darker color. If you saturate the color by 10%, you get **77, 69.733, 154.433**, and if you desaturate by 10%, it is **78, 58.916, 158.488**.

Distribution



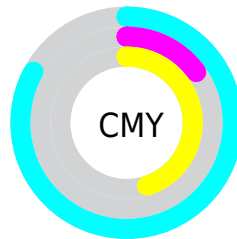
- Red (16%)
- Green (85%)
- Blue (55%)



- Red (16%)
- Yellow (60%)
- Blue (85%)



- Cyan (81%)
- Magenta (0%)
- Yellow (35%)
- Black (15%)



- Cyan (83%)
- Magenta (15%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 64.760, 156.567 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, 64.760, 156.567 by changing the saturation by 10% instead.

 77, 64.760,
156.567

 77, 64.760,
156.567


 100, 64.760,
156.567


 67, 64.760,
156.567


 97, 64.760,
156.567

 57, 64.760,
156.567

 47, 64.760,
156.567

 37, 64.760,
156.567

 27, 64.760,
156.567

 17, 64.760,
156.567

 7, 64.760, 156.567

■ 0, 64.760, 156.567

■ 77, 64.760,
156.567

■ 77, 64.760,
156.567

■ 77, 69.733,
154.433

■ 78, 58.916,
158.488

■ 76, 73.797,
152.287

■ 78, 52.207,
160.198

■ 79, 44.715,
161.712

■ 80, 36.568,
163.055

■ 81, 27.921,
164.252

■ 83, 18.928,
165.329

 84, 9.734, 166.317

 86, 0.465, 168.127

 88, 8.778, 347.908

Harmonies

Complementary

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



77, 64.760, 156.567



49, 69.333, 0.461

Rectangle

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



77, 64.760, 156.567



77, 64.760, 206.567



77, 64.760, 336.567



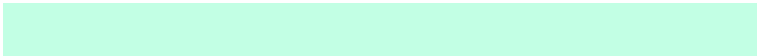
77, 64.760, 26.567

Sweetspot

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



77, 64.760, 156.567



95, 25.272, 164.941



78, 88.666, 128.172



50, 17.308, 164.552



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, 64.760, 156.567



89, 82.616, 152.738



76, 39.867, 203.491



44, 5.221, 166.423



62, 61.465, 152.691



15, 21.971, 157.745

Inverse Universe

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



49, 69.333, 0.461



55, 83.966, 7.697



48, 77.005, 35.738



42, 5.307, 347.977



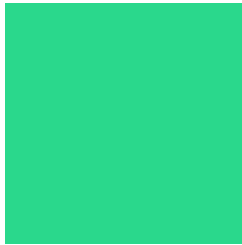
36, 62.550, 7.765



5, 22.979, 358.388

Previews

White Background



This preview shows how the CIELCh color 77, 64.760, 156.567 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, 64.760, 156.567 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, 64.760, 156.567

Background



This preview shows how black text looks on a background with the CIELCh color 77, 64.760, 156.567.

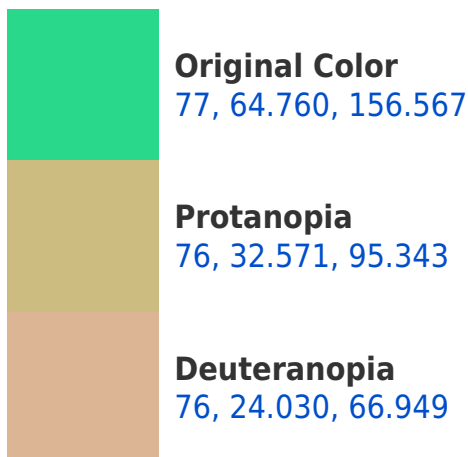


This preview shows how white text looks on a background with the CIELCh color 77, 64.760, 156.567.

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, 34.011, 212.937

Trichromacy



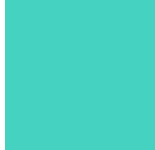
Original Color
77, 64.760, 156.567



Protanomaly
75, 40.679, 137.109



Deuteranomaly
75, 30.292, 137.412



Tritanomaly
77, 41.289, 183.565

Monochromacy



Original Color
77, 64.760, 156.567



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 27.357, 164.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 64.760, 156.567 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(42, 216, 140)` looks like.

```
.text, #text, p{  
    color:rgb(42, 216, 140)  
}
```

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(42, 216, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 216, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 64.760, 156.567 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(42, 216, 140) }
```

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

```
.border{ border-color:rgb(42, 216, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 216, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 216, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 216, 140);  
box-shadow:4px 4px 4px 4px rgb(42, 216,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 64.760, 156.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 216, 140) }
```

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

```
.background{ background-color: rgb(42, 216,  
140) }
```

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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