

Converting Colors

CIELCh(77, 82.042, 146.860)

Have a look what the booklet for
CIELCh(77, 82.042, 146.860)
contains.

CIELCh(77, 82.114, 146.875)	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, 82.114, 146.875)

Conversions

Conversions Part 1

Format	Color
Hex	12DB66
RGB	18, 219, 102
RGB Percent	7%, 86%, 40%
CMY	0.9312, 0.1427, 0.6014
CMYK	0.92, 0.00, 0.54, 0.14
HSL	145°, 85%, 46%
HSV	145°, 92%, 86%
XYZ	27.8489, 51.5317, 20.9557
YIQ	145.5630, -82.2390, -78.9990

Conversions

Conversions Part 2

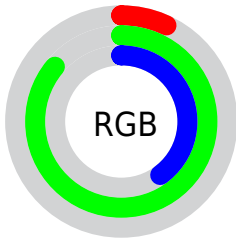
Format	Color
RYB	18, 160, 219
Decimal	1235814
CIELab	77.00, -68.77, 44.87
CIELCh	77, 82.114, 146.875
Yxy	51.5317, 0.2776, 0.5136
Android (android.graphics.Color)	4279425894 (0xFF12DB66)
YUV	145.5630, -21.4766, -111.8728
Hunter-Lab	71.7856, -56.3765, 32.9420

Details

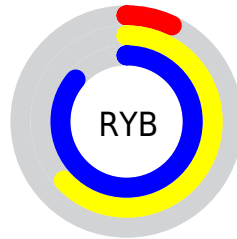
The CIELCh color **77, 82.114, 146.875** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **48, 76.555, 352.381**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 70.478, 149.030**, and **58, 74.702, 141.626** is the 20% darker color. If you saturate the color by 10%, you get **77, 86.311, 145.134**, and if you desaturate by 10%, it is **77, 76.122, 148.986**.

Distribution



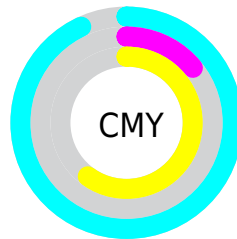
- Red (7%)
- Green (86%)
- Blue (40%)



- Red (7%)
- Yellow (63%)
- Blue (86%)



- Cyan (92%)
- Magenta (0%)
- Yellow (54%)
- Black (14%)




- Cyan (93%)
- Magenta (14%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 82.114, 146.875 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, 82.114, 146.875 by changing the saturation by 10% instead.


 77, 82.114,
146.875

 77, 82.114,
146.875


 100, 82.114,
146.875

 67, 82.114,
146.875


 97, 82.114,
146.875

 57, 82.114,
146.875

 47, 82.114,
146.875

 37, 82.114,
146.875

 27, 82.114,
146.875

 17, 82.114,
146.875

 7, 82.114, 146.875

■ 0, 82.114, 146.875

■ 77, 82.114,
146.875

■ 77, 82.114,
146.875

■ 77, 86.311,
145.134

■ 77, 76.122,
148.986

■ 78, 69.142,
150.913

■ 79, 61.214,
152.632

■ 79, 52.451,
154.148

■ 81, 43.013,
155.476

■ 82, 33.082,
156.640

■ 83, 22.839,
157.665

■ 85, 12.447,
158.580

■ 87, 2.042, 159.546

Harmonies

Complementary

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



77, 82.114, 146.875



48, 76.555, 352.381

Rectangle

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



77, 82.114, 146.875



77, 82.114, 196.875



77, 82.114, 326.875



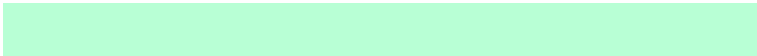
77, 82.114, 16.875

Sweetspot

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



77, 82.114, 146.875



95, 32.895, 157.038



79, 91.998, 124.296



50, 22.649, 156.573



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, 82.114, 146.875



88, 97.397, 144.926



79, 47.310, 185.136



45, 5.910, 158.801



62, 72.015, 145.511



15, 26.212, 150.205

Inverse Universe

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



48, 76.555, 352.381



55, 86.446, 355.225



46, 84.571, 33.991



43, 5.963, 340.185



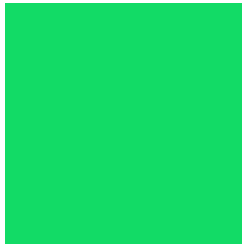
38, 64.997, 354.321



6, 26.070, 348.689

Previews

White Background



This preview shows how the CIELCh color 77, 82.114, 146.875 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, 82.114, 146.875 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, 82.114, 146.875

Background



This preview shows how black text looks on a background with the CIELCh color 77, 82.114, 146.875.

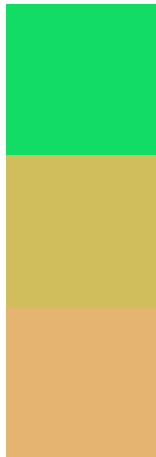


This preview shows how white text looks on a background with the CIELCh color 77, 82.114, 146.875.

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, 82.151, 146.900

Protanopia

76, 50.988, 96.087

Deuteranopia

76, 42.374, 76.783



Tritanopia
77, 33.824, 212.067

Trichromacy



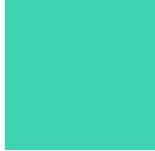
Original Color
77, 82.151, 146.900



Protanomaly
75, 58.990, 129.635



Deuteranomaly
74, 48.183, 126.592



Tritanomaly
77, 46.898, 173.756

Monochromacy



Original Color
77, 82.151, 146.900



Achromatopsia
60, 0.008, 296.813



Achromatomaly
65, 36.006, 155.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 82.114, 146.875 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(18, 219, 102)` looks like.

```
.text, #text, p{  
    color:rgb(18, 219, 102)  
}
```

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(18, 219, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 219, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 82.114, 146.875 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(18, 219, 102) }
```

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

```
.border{ border-color:rgb(18, 219, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 219, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 219, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 219, 102);  
box-shadow:4px 4px 4px 4px rgb(18, 219,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 82.114, 146.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 219, 102) }
```

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

```
.background{ background-color: rgb(18, 219,  
102) }
```

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