

Converting Colors

CIELCh(73, 77.879, 146.736)

Have a look what the booklet for
CIELCh(73, 77.879, 146.736)
contains.

CIELCh(73, 77.894, 146.739)	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(73, 77.894, 146.739)

Conversions

Conversions Part 1

Format	Color
Hex	19CE60
RGB	25, 206, 96
RGB Percent	10%, 81%, 38%
CMY	0.9025, 0.1924, 0.6237
CMYK	0.88, 0.00, 0.53, 0.19
HSL	144°, 78%, 45%
HSV	144°, 88%, 81%
XYZ	24.5643, 45.1644, 18.4770
YIQ	139.3410, -72.5660, -72.5820

Conversions

Conversions Part 2

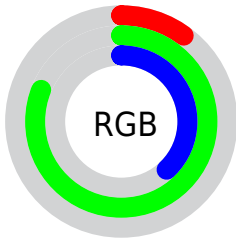
Format	Color
R_{YB}	25, 155, 206
Decimal	1691232
CIE _{Lab}	73.00, -65.13, 42.72
CIE _{LCh}	73, 77.894, 146.739
Yxy	45.1644, 0.2785, 0.5120
Android (android.graphics.Color)	4279881312 (0xFF19CE60)
YUV	139.3410, -21.3671, -100.2771
Hunter-Lab	67.2044, -52.3632, 30.7421

Details

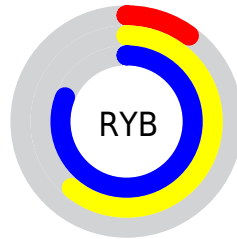
The CIELCh color **73, 77.894, 146.739** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **46, 73.417, 349.217**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 72.955, 147.633**, and **54, 70.813, 141.494** is the 20% darker color. If you saturate the color by 10%, you get **73, 83.233, 144.610**, and if you desaturate by 10%, it is **73, 71.619, 148.745**.

Distribution



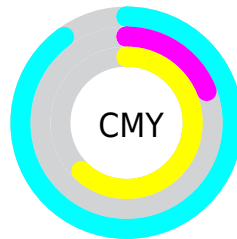
- Red (10%)
- Green (81%)
- Blue (38%)



- Red (10%)
- Yellow (61%)
- Blue (81%)



- Cyan (88%)
- Magenta (0%)
- Yellow (53%)
- Black (19%)





- Cyan (90%)
- Magenta (19%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 77.894, 146.739 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 73, 77.894, 146.739 by changing the saturation by 10% instead.

 73, 77.894,
146.739

 73, 77.894,
146.739

 100, 77.894,
146.739


 63, 77.894,
146.739


 93, 77.894,
146.739

 53, 77.894,
146.739

 43, 77.894,
146.739

 33, 77.894,
146.739

 23, 77.894,
146.739

 13, 77.894,
146.739

 3, 77.894, 146.739

■ 0, 77.894, 146.739

■ 73, 77.894,
146.739

■ 73, 77.894,
146.739

■ 73, 83.233,
144.610

■ 73, 71.619,
148.745

■ 73, 84.269,
144.189

■ 74, 64.383,
150.561

■ 75, 56.266,
152.173

■ 76, 47.407,
153.590

■ 77, 37.976,
154.830

■ 78, 28.154,
155.916

■ 80, 18.109,
156.873

■ 81, 7.989, 157.737

■ 83, 2.085, 338.254

Harmonies

Complementary

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



73, 77.894, 146.739



46, 73.417, 349.217

Rectangle

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



73, 77.894, 146.739



73, 77.894, 196.739



73, 77.894, 326.739



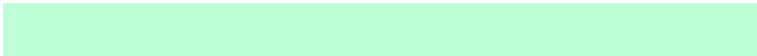
73, 77.894, 16.739

Sweetspot

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



73, 77.894, 146.739



95, 31.190, 156.077



76, 85.275, 122.560



50, 21.111, 155.720



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73, 77.894, 146.739



88, 99.635, 143.898



75, 46.118, 181.629



42, 5.675, 157.613



59, 71.130, 144.554



12, 23.206, 151.173

Inverse Universe

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



46, 73.417, 349.217



56, 87.378, 352.927



44, 76.198, 29.844



40, 5.720, 338.951



36, 63.608, 351.992



4, 21.222, 346.658

Previews

White Background



This preview shows how the CIELCh color 73, 77.894, 146.739 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 73, 77.894, 146.739 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 73, 77.894, 146.739

Background



This preview shows how black text looks on a background with the CIELCh color 73, 77.894, 146.739.

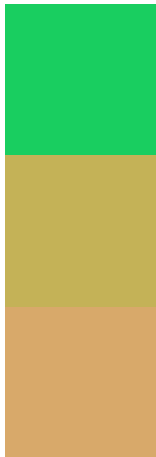


This preview shows how white text looks on a background with the CIELCh color 73, 77.894, 146.739.

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](#).

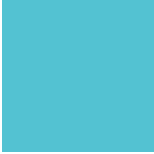
Dichromacy



Original Color
73, 77.894, 146.739

Protanopia
72, 48.418, 96.046

Deuteranopia
72, 40.098, 76.044



Tritanopia
73, 31.941, 213.190

Trichromacy



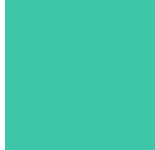
Original Color
73, 77.894, 146.739



Protanomaly
71, 55.668, 128.462



Deuteranomaly
70, 44.938, 125.211



Tritanomaly
72, 43.348, 174.738

Monochromacy



Original Color
73, 77.894, 146.739



Achromatopsia
58, 0.007, 296.813



Achromatomaly
62, 33.412, 154.667

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 77.894, 146.739 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(25, 206, 96)` looks like.

```
.text, #text, p{  
    color:rgb(25, 206, 96)  
}
```

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(25, 206, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 206, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 77.894, 146.739 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(25, 206, 96) }
```

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

```
.border{ border-color:rgb(25, 206, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 206, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 206, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 206, 96);  
box-shadow:4px 4px 4px 4px rgb(25, 206,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 77.894, 146.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 206, 96) }
```

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

```
.background{ background-color: rgb(25, 206,  
96) }
```

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