

Converting Colors

CIELCh(77, 92.652, 141.549)

Have a look what the booklet for
CIELCh(77, 92.652, 141.549)
contains.

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Color

CIELCh(77, 92.743, 141.597)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 10DC49 |
| RGB | 16, 220, 73 |
| RGB Percent | 6%, 86%, 29% |
| CMY | 0.9367, 0.1390, 0.7154 |
| CMYK | 0.93, 0.00, 0.67, 0.14 |
| HSL | 137°, 86%, 46% |
| HSV | 137°, 93%, 86% |
| XYZ | 26.8767, 51.5317, 14.7575 |
| YIQ | 142.2460, -74.3970, -88.9650 |

Conversions

Conversions Part 2

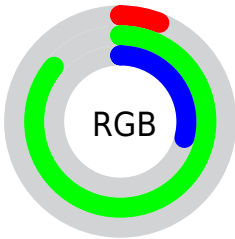
| Format | Color |
|-------------------------------------|---------------------------------------------------|
| RYB | 16, 175, 220 |
| Decimal | 1104969 |
| CIELab | 77.00, -72.68, 57.61 |
| CIELCh | 77, 92.743, 141.597 |
| Yxy | 51.5317, 0.2885, 0.5531 |
| Android (android.graphics.Color) | 4279295049 (0xFF10DC49) |
| YUV | 142.2460, -34.1383, -110.7177 |
| Hunter-Lab | 71.7856, -58.7939, 38.0613 |

Details

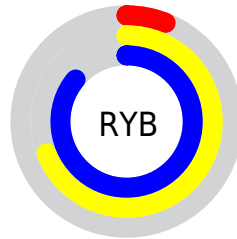
The CIELCh color **77, 92.743, 141.597** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **50, 83.177, 342.210**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 80.721, 142.765**, and **58, 85.216, 136.248** is the 20% darker color. If you saturate the color by 10%, you get **77, 96.691, 140.252**, and if you desaturate by 10%, it is **77, 86.285, 143.484**.

Distribution



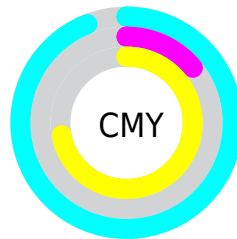
- Red (6%)
- Green (86%)
- Blue (29%)



- Red (6%)
- Yellow (69%)
- Blue (86%)



- Cyan (93%)
- Magenta (0%)
- Yellow (67%)
- Black (14%)



- Cyan (94%)
- Magenta (14%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 92.743, 141.597 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, 92.743, 141.597 by changing the saturation by 10% instead.


 77, 92.743,
141.597


 77, 92.743,
141.597


 100, 92.743,
141.597


 67, 92.743,
141.597


 97, 92.743,
141.597

 57, 92.743,
141.597

 47, 92.743,
141.597

 37, 92.743,
141.597

 27, 92.743,
141.597

 17, 92.743,
141.597

 7, 92.743, 141.597

■ 0, 92.743, 141.597

■ 77, 92.743,
141.597

■ 77, 92.743,
141.597

■ 77, 96.691,
140.252

■ 77, 86.285,
143.484

■ 78, 78.527,
145.271

■ 79, 69.598,
146.901

■ 79, 59.687,
148.351

■ 81, 49.013,
149.620

■ 82, 37.808,
150.724

■ 83, 26.291,
151.681

■ 85, 14.651,
152.519

■ 87, 3.043, 153.331

Harmonies

Complementary

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



77, 92.743, 141.597



50, 83.177, 342.210

Rectangle

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



77, 92.743, 141.597



77, 92.743, 191.597



77, 92.743, 321.597



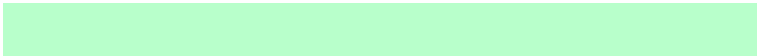
77, 92.743, 11.597

Sweetspot

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



77, 92.743, 141.597



94, 36.675, 151.163



81, 88.527, 117.702



50, 25.278, 150.730



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, 92.743, 141.597



88, 108.691, 140.084



78, 56.404, 168.807



45, 6.560, 152.769



62, 80.474, 140.576



15, 29.116, 145.506

Inverse Universe

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



50, 83.177, 342.210



57, 93.339, 343.642



47, 77.944, 23.565



43, 6.590, 333.987



39, 70.218, 343.160



6, 28.453, 339.992

Previews

White Background



This preview shows how the CIELCh color 77, 92.743, 141.597 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, 92.743, 141.597 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, 92.743, 141.597

Background



This preview shows how black text looks on a background with the CIELCh color 77, 92.743, 141.597.

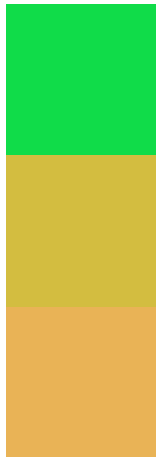


This preview shows how white text looks on a background with the CIELCh color 77, 92.743, 141.597.

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, 92.810, 141.641

Protanopia

76, 63.258, 95.390

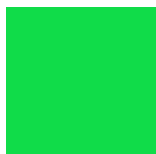
Deuteranopia

76, 54.811, 79.597

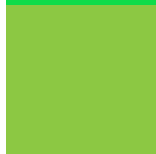


Tritanopia
77, 32.967, 213.522

Trichromacy



Original Color
77, 92.810, 141.641



Protanomaly
74, 70.465, 124.557



Deuteranomaly
74, 59.957, 120.921



Tritanomaly
76, 49.332, 168.608

Monochromacy



Original Color
77, 92.810, 141.641



Achromatopsia
59, 0.008, 296.813



Achromatomaly
64, 40.424, 149.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 92.743, 141.597 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(16, 220, 73)` looks like.

```
.text, #text, p{  
    color:rgb(16, 220, 73)  
}
```

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(16, 220, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 220, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 92.743, 141.597 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(16, 220, 73) }
```

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

```
.border{ border-color:rgb(16, 220, 73) }
```

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

Here you see how a box with a 4 pixel rgb(16, 220, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 220, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 220, 73);  
box-shadow:4px 4px 4px 4px rgb(16, 220,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 92.743, 141.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 220, 73) }
```

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

```
.background{ background-color: rgb(16, 220,  
73) }
```

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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