

Converting Colors

CIELCh(77, 86.777, 143.613)

Have a look what the booklet for
CIELCh(77, 86.777, 143.613)
contains.

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Color

CIELCh(77, 86.982, 143.566)

Conversions

Conversions Part 1

Format	Color
Hex	1FDB57
RGB	31, 219, 87
RGB Percent	12%, 86%, 34%
CMY	0.8803, 0.1419, 0.6595
CMYK	0.86, 0.00, 0.60, 0.14
HSL	138°, 76%, 49%
HSV	138°, 86%, 86%
XYZ	27.5452, 51.5317, 17.4742
YIQ	147.7400, -69.6760, -80.9080

Conversions

Conversions Part 2

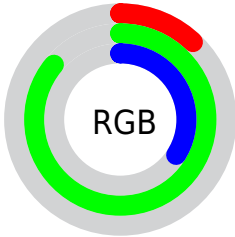
Format	Color
RYB	31, 176, 219
Decimal	2087767
CIELab	77.00, -69.98, 51.66
CIELCh	77, 86.982, 143.566
Yxy	51.5317, 0.2853, 0.5337
Android (android.graphics.Color)	4280277847 (0xFF1FDB57)
YUV	147.7400, -29.9448, -102.3810
Hunter-Lab	71.7856, -57.1318, 35.8174

Details

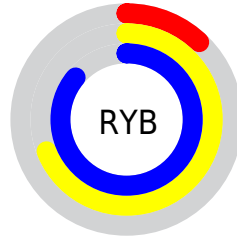
The CIELCh color **77, 86.982, 143.566** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **50, 80.683, 342.518**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 75.092, 145.009**, and **58, 80.016, 138.680** is the 20% darker color. If you saturate the color by 10%, you get **77, 92.968, 141.612**, and if you desaturate by 10%, it is **77, 79.747, 145.433**.

Distribution



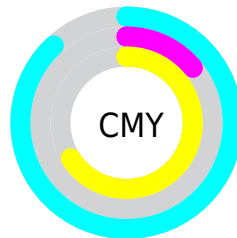
- Red (12%)
- Green (86%)
- Blue (34%)



- Red (12%)
- Yellow (69%)
- Blue (86%)



- Cyan (86%)
- Magenta (0%)
- Yellow (60%)
- Black (14%)




- Cyan (88%)
- Magenta (14%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 86.982, 143.566 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, 86.982, 143.566 by changing the saturation by 10% instead.


 77, 86.982,
143.566

 77, 86.982,
143.566


 100, 86.982,
143.566

 67, 86.982,
143.566

 97, 86.982,
143.566

 57, 86.982,
143.566

 47, 86.982,
143.566

 37, 86.982,
143.566

 27, 86.982,
143.566

 17, 86.982,
143.566

 7, 86.982, 143.566

■ 0, 86.982, 143.566

■ 77, 86.982,
143.566

■ 77, 86.982,
143.566

■ 77, 92.968,
141.612

■ 77, 79.747,
145.433

■ 77, 95.048,
140.883

■ 78, 71.344,
147.145

■ 79, 61.928,
148.673

■ 80, 51.697,
150.015

■ 81, 40.869,
151.184

■ 83, 29.661,
152.199

■ 84, 18.268,
153.085

■ 86, 6.853, 153.884

■ 88, 4.455, 334.421

Harmonies

Complementary

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



77, 86.982, 143.566



50, 80.683, 342.518

Rectangle

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



77, 86.982, 143.566



77, 86.982, 193.566



77, 86.982, 323.566



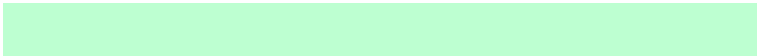
77, 86.982, 13.566

Sweetspot

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



77, 86.982, 143.566



95, 33.516, 152.183



81, 86.069, 118.041



50, 22.698, 151.843



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, 86.982, 143.566



88, 107.137, 140.703



78, 53.415, 171.568



45, 6.456, 153.617



62, 79.294, 141.214



15, 28.713, 146.078

Inverse Universe

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



50, 80.683, 342.518



57, 92.020, 345.252



48, 74.620, 21.499



43, 6.489, 334.858



38, 69.234, 344.712



6, 28.044, 341.197

Previews

White Background



This preview shows how the CIELCh color 77, 86.982, 143.566 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, 86.982, 143.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

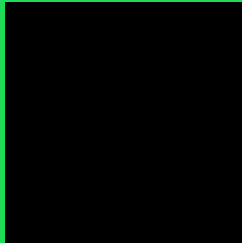
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 86.982, 143.566

Background



This preview shows how black text looks on a background with the CIELCh color 77, 86.982, 143.566.

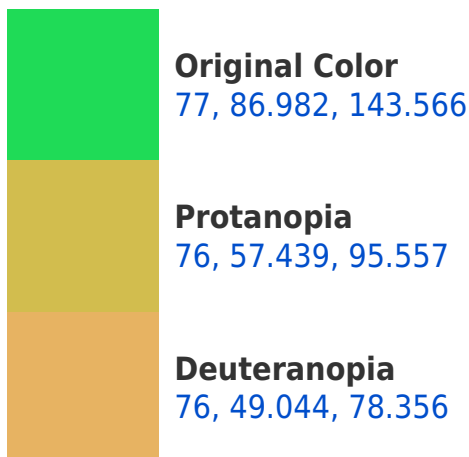


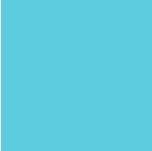
This preview shows how white text looks on a background with the CIELCh color 77, 86.982, 143.566.

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, 32.791, 213.622

Trichromacy



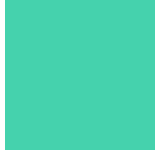
Original Color
77, 86.982, 143.566



Protanomaly
75, 64.331, 125.087



Deuteranomaly
74, 53.248, 121.152



Tritanomaly
76, 46.858, 170.872

Monochromacy



Original Color
77, 86.982, 143.566



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 36.875, 150.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 86.982, 143.566 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(31, 219, 87)` looks like.

```
.text, #text, p{  
    color:rgb(31, 219, 87)  
}
```

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(31, 219, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 219, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 86.982, 143.566 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(31, 219, 87) }
```

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

```
.border{ border-color:rgb(31, 219, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 219, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 219, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 219, 87);  
box-shadow:4px 4px 4px 4px rgb(31, 219,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 86.982, 143.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 219, 87) }
```

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

```
.background{ background-color: rgb(31, 219,  
87) }
```

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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