

Converting Colors

CIELCh(77, 81.767, 140.474)

Have a look what the booklet for
CIELCh(77, 81.767, 140.474)
contains.

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Color

CIELCh(77, 81.636, 140.367)

Conversions

Conversions Part 1

Format	Color
Hex	4CD856
RGB	76, 216, 86
RGB Percent	30%, 85%, 34%
CMY	0.7002, 0.1515, 0.6614
CMYK	0.65, 0.00, 0.60, 0.15
HSL	124°, 64%, 57%
HSV	124°, 65%, 85%
XYZ	29.3590, 51.5317, 17.2750
YIQ	159.3200, -41.7100, -70.1100

Conversions

Conversions Part 2

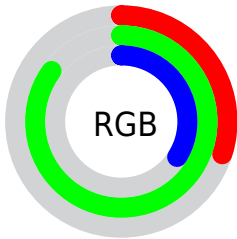
Format	Color
RYB	76, 207, 216
Decimal	5036118
CIELab	77.00, -62.87, 52.07
CIElCh	77, 81.636, 140.367
Yxy	51.5317, 0.2991, 0.5249
Android (android.graphics.Color)	4283226198 (0xFF4CD856)
YUV	159.3200, -36.1468, -73.0716
Hunter-Lab	71.7856, -52.6215, 35.9820

Details

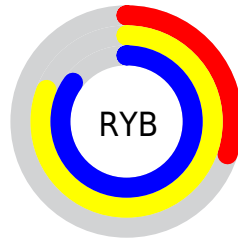
The CIELCh color **77, 81.636, 140.367** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **56, 80.051, 329.929**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 71.040, 140.830**, and **57, 79.407, 138.616** is the 20% darker color. If you saturate the color by 10%, you get **76, 90.876, 139.075**, and if you desaturate by 10%, it is **78, 70.813, 141.628**.

Distribution



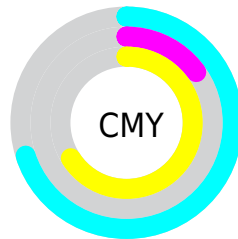
- Red (30%)
- Green (85%)
- Blue (34%)



- Red (30%)
- Yellow (81%)
- Blue (85%)



- Cyan (65%)
- Magenta (0%)
- Yellow (60%)
- Black (15%)





- Cyan (70%)
- Magenta (15%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 81.636, 140.367 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, 81.636, 140.367 by changing the saturation by 10% instead.


 77, 81.636,
140.367


 77, 81.636,
140.367


 100, 81.636,
140.367


 67, 81.636,
140.367


 97, 81.636,
140.367

 57, 81.636,
140.367

 47, 81.636,
140.367

 37, 81.636,
140.367

 27, 81.636,
140.367

 17, 81.636,
140.367

 7, 81.636, 140.367

0, 81.636, 140.367

77, 81.636,
140.367

77, 81.636,
140.367

76, 90.876,
139.075

78, 70.813,
141.628

76, 98.092,
137.860

79, 58.833,
142.789

76, 102.925,
136.864

80, 46.081,
143.821

76, 104.545,
136.510

82, 32.884,
144.719

84, 19.511,
145.492

85, 6.167, 146.179

■ 88, 6.993, 326.647

■ 90, 19.865,
327.148

■ 91, 24.196,
325.267

Harmonies

Complementary

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



77, 81.636, 140.367



56, 80.051, 329.929

Rectangle

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



77, 81.636, 140.367



77, 81.636, 190.367



77, 81.636, 320.367



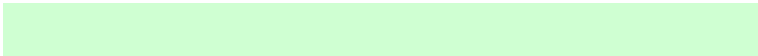
77, 81.636, 10.367

Sweetspot

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



77, 81.636, 140.367



96, 28.918, 145.158



83, 68.390, 107.593



50, 19.913, 144.931



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, 81.636, 140.367



88, 106.490, 138.565



78, 54.975, 159.717



44, 7.464, 145.858



61, 87.372, 136.648



14, 31.028, 142.258

Inverse Universe

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



56, 80.051, 329.929



62, 102.241, 330.531



54, 59.993, 356.253



42, 7.478, 326.914



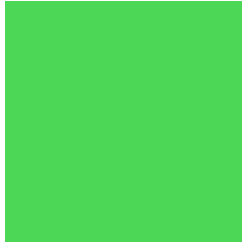
40, 81.010, 331.245



6, 31.299, 330.468

Previews

White Background



This preview shows how the CIELCh color 77, 81.636, 140.367 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, 81.636, 140.367 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, 81.636, 140.367

Background



This preview shows how black text looks on a background with the CIELCh color 77, 81.636, 140.367.

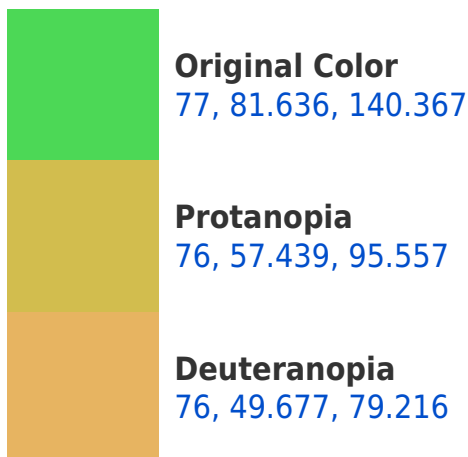


This preview shows how white text looks on a background with the CIELCh color 77, 81.636, 140.367.

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, 28.177, 215.516

Trichromacy



Original Color
77, 81.636, 140.367



Protanomaly
75, 61.714, 119.566



Deuteranomaly
75, 52.111, 113.689



Tritanomaly
76, 41.121, 167.494

Monochromacy



Original Color
77, 81.636, 140.367



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 32.110, 144.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 81.636, 140.367 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(76, 216, 86)` looks like.

```
.text, #text, p{  
    color:rgb(76, 216, 86)  
}
```

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(76, 216, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 216, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 81.636, 140.367 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(76, 216, 86) }
```

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

```
.border{ border-color:rgb(76, 216, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 216, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 216, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 216, 86);  
box-shadow:4px 4px 4px 4px rgb(76, 216,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 81.636, 140.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 216, 86) }
```

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

```
.background{ background-color: rgb(76, 216,  
86) }
```

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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