

Converting Colors

CIELCh(76, 84.479, 140.448)

Have a look what the booklet for
CIELCh(76, 84.479, 140.448)
contains.

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Color

CIELCh(76, 84.266, 140.566)

Conversions

Conversions Part 1

Format	Color
Hex	40D650
RGB	64, 214, 80
RGB Percent	25%, 84%, 31%
CMY	0.7478, 0.1599, 0.6855
CMYK	0.70, 0.00, 0.63, 0.16
HSL	126°, 65%, 55%
HSV	126°, 70%, 84%
XYZ	27.6920, 49.8872, 15.7989
YIQ	153.8740, -46.3860, -73.4740

Conversions

Conversions Part 2

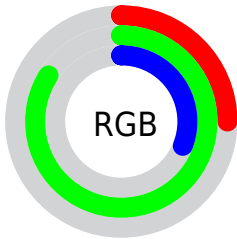
Format	Color
RYB	64, 200, 214
Decimal	4249168
CIELab	76.00, -65.08, 53.52
CIELCh	76, 84.266, 140.566
Yxy	49.8872, 0.2966, 0.5342
Android (android.graphics.Color)	4282439248 (0xFF40D650)
YUV	153.8740, -36.4199, -78.8195
Hunter-Lab	70.6309, -53.6202, 36.1795

Details

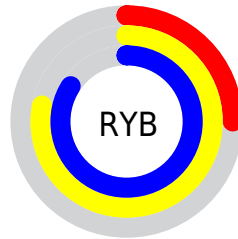
The CIELCh color **76, 84.266, 140.566** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **54, 81.841, 331.480**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 74.982, 141.058**, and **57, 80.586, 137.611** is the 20% darker color. If you saturate the color by 10%, you get **75, 92.512, 139.186**, and if you desaturate by 10%, it is **77, 74.388, 141.922**.

Distribution



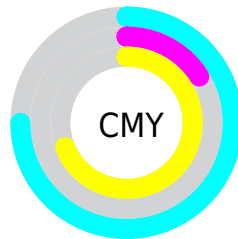
- Red (25%)
- Green (84%)
- Blue (31%)



- Red (25%)
- Yellow (78%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (63%)
- Black (16%)



- Cyan (75%)
- Magenta (16%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 84.266, 140.566 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 76, 84.266, 140.566 by changing the saturation by 10% instead.

 76, 84.266,
140.566

 76, 84.266,
140.566


 100, 84.266,
140.566


 66, 84.266,
140.566

 96, 84.266,
140.566

 56, 84.266,
140.566

 46, 84.266,
140.566

 36, 84.266,
140.566

 26, 84.266,
140.566

 16, 84.266,
140.566

 6, 84.266, 140.566

■ 0, 84.266, 140.566

■ 76, 84.266,
140.566

■ 76, 84.266,
140.566

■ 75, 92.512,
139.186

■ 77, 74.388,
141.922

■ 75, 98.764,
137.895

■ 78, 63.256,
143.179

■ 75, 102.840,
136.879

■ 79, 51.233,
144.302

■ 75, 102.845,
136.878

■ 80, 38.644,
145.284

■ 82, 25.763,
146.132

■ 84, 12.815,
146.865

■ 86, 0.030, 317.425

■ 88, 12.647,
327.962

■ 90, 24.528,
326.991

Harmonies

Complementary

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



76, 84.266, 140.566



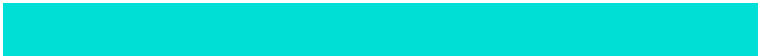
54, 81.841, 331.480

Rectangle

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



76, 84.266, 140.566



76, 84.266, 190.566



76, 84.266, 320.566



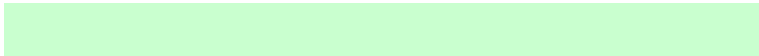
76, 84.266, 10.566

Sweetspot

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



76, 84.266, 140.566



95, 31.191, 146.034



82, 72.238, 108.992



50, 21.117, 145.806



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 84.266, 140.566



88, 109.277, 138.540



77, 56.127, 160.780



44, 7.281, 146.904



61, 86.529, 137.049



14, 30.468, 142.866

Inverse Universe

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



54, 81.841, 331.480



60, 102.860, 332.242



51, 62.584, 0.098



42, 7.297, 327.979



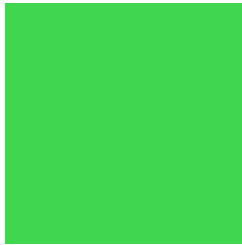
39, 78.808, 332.934



6, 30.494, 331.813

Previews

White Background



This preview shows how the CIELCh color 76, 84.266, 140.566 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 76, 84.266, 140.566 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 76, 84.266, 140.566

Background



This preview shows how black text looks on a background with the CIELCh color 76, 84.266, 140.566.

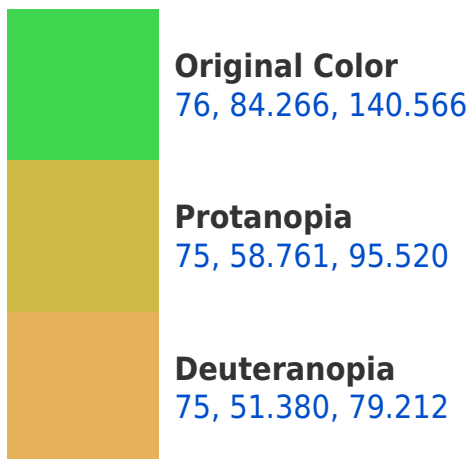


This preview shows how white text looks on a background with the CIELCh color 76, 84.266, 140.566.

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
76, 29.425, 214.677

Trichromacy



Original Color
76, 84.266, 140.566



Protanomaly
74, 63.345, 120.203



Deuteranomaly
74, 54.273, 114.967



Tritanomaly
76, 43.201, 167.151

Monochromacy



Original Color
76, 84.266, 140.566



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 34.243, 145.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 84.266, 140.566 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(64, 214, 80)` looks like.

```
.text, #text, p{  
    color:rgb(64, 214, 80)  
}
```

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(64, 214, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 214, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 84.266, 140.566 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(64, 214, 80) }
```

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

```
.border{ border-color:rgb(64, 214, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 214, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 214, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 214, 80);  
box-shadow:4px 4px 4px 4px rgb(64, 214,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 84.266, 140.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 214, 80) }
```

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

```
.background{ background-color: rgb(64, 214,  
80) }
```

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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