

Converting Colors

CIELCh(78, 80.016, 146.964)

Have a look what the booklet for
CIELCh(78, 80.016, 146.964)
contains.

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Color

CIELCh(78, 80.037, 146.988)

Conversions

Conversions Part 1

Format	Color
Hex	28DD6B
RGB	40, 221, 107
RGB Percent	16%, 87%, 42%
CMY	0.8433, 0.1334, 0.5805
CMYK	0.82, 0.00, 0.52, 0.13
HSL	142°, 73%, 51%
HSV	142°, 82%, 87%
XYZ	29.3763, 53.2120, 22.6269
YIQ	153.8850, -71.2820, -73.8260

Conversions

Conversions Part 2

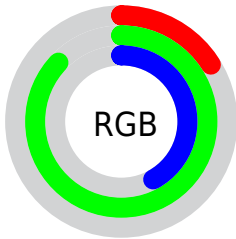
Format	Color
RYB	40, 172, 221
Decimal	2678123
CIELab	78.00, -67.12, 43.61
CIELCh	78, 80.037, 146.988
Yxy	53.2120, 0.2792, 0.5057
Android (android.graphics.Color)	4280868203 (0xFF28DD6B)
YUV	153.8850, -23.1143, -99.8771
Hunter-Lab	72.9466, -55.7727, 32.6717

Details

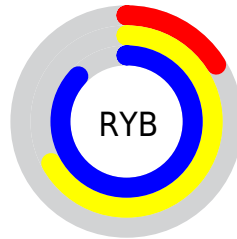
The CIELCh color **78, 80.037, 146.988** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **51, 76.719, 346.405**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 67.040, 149.220**, and **59, 73.579, 142.688** is the 20% darker color. If you saturate the color by 10%, you get **78, 86.346, 144.932**, and if you desaturate by 10%, it is **79, 72.657, 148.879**.

Distribution



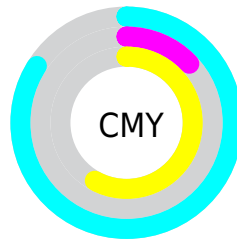
- Red (16%)
- Green (87%)
- Blue (42%)



- Red (16%)
- Yellow (67%)
- Blue (87%)



- Cyan (82%)
- Magenta (0%)
- Yellow (52%)
- Black (13%)



- Cyan (84%)
- Magenta (13%)
- Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 80.037, 146.988 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 78, 80.037, 146.988 by changing the saturation by 10% instead.


 78, 80.037,
146.988

 78, 80.037,
146.988


 100, 80.037,
146.988


 68, 80.037,
146.988


 98, 80.037,
146.988

 58, 80.037,
146.988

 48, 80.037,
146.988

 38, 80.037,
146.988

 28, 80.037,
146.988

 18, 80.037,
146.988

 8, 80.037, 146.988

■ 0, 80.037, 146.988

■ 78, 80.037,
146.988

■ 78, 80.037,
146.988

■ 78, 86.346,
144.932

■ 79, 72.657,
148.879

■ 77, 90.740,
143.243

■ 79, 64.269,
150.573

■ 80, 55.007,
152.066

■ 81, 45.051,
153.373

■ 83, 34.598,
154.513

■ 84, 23.841,
155.512

■ 86, 12.950,
156.396

■ 88, 2.069, 157.323

■ 90, 8.691, 337.774

Harmonies

Complementary

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



78, 80.037, 146.988



51, 76.719, 346.405

Rectangle

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



78, 80.037, 146.988



78, 80.037, 196.988



78, 80.037, 326.988



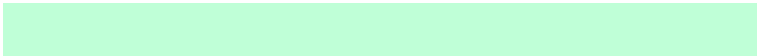
78, 80.037, 16.988

Sweetspot

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



78, 80.037, 146.988



95, 30.522, 155.198



81, 86.414, 121.517



50, 20.798, 154.844



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 80.037, 146.988



88, 100.367, 143.469



80, 48.191, 180.498



45, 6.124, 156.605



62, 75.081, 143.620



15, 27.274, 148.320

Inverse Universe

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



51, 76.719, 346.405



56, 88.302, 350.440



49, 75.285, 26.032



43, 6.168, 337.928



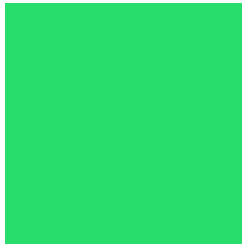
38, 66.441, 350.244



6, 26.801, 345.497

Previews

White Background



This preview shows how the CIELCh color 78, 80.037, 146.988 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 78, 80.037, 146.988 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 78, 80.037, 146.988

Background



This preview shows how black text looks on a background with the CIELCh color 78, 80.037, 146.988.

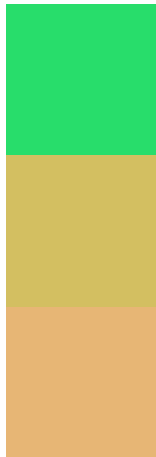


This preview shows how white text looks on a background with the CIELCh color 78, 80.037, 146.988.

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

78, 80.037, 146.988

Protanopia

77, 49.607, 95.547

Deuteranopia

77, 40.907, 76.001



Tritanopia
78, 33.219, 213.352

Trichromacy



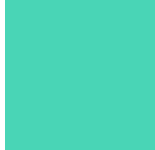
Original Color
78, 80.037, 146.988



Protanomaly
76, 56.338, 127.637



Deuteranomaly
75, 45.598, 123.749



Tritanomaly
78, 44.936, 174.420

Monochromacy



Original Color
78, 80.037, 146.988



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 33.131, 154.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 80.037, 146.988 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(40, 221, 107)` looks like.

```
.text, #text, p{  
    color:rgb(40, 221, 107)  
}
```

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(40, 221, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 221, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 80.037, 146.988 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(40, 221, 107) }
```

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

```
.border{ border-color:rgb(40, 221, 107) }
```

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

Here you see how a box with a 4 pixel rgb(40, 221, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 221, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 221, 107);  
box-shadow:4px 4px 4px 4px rgb(40, 221,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 80.037, 146.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 221, 107) }
```

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

```
.background{ background-color: rgb(40, 221,  
107) }
```

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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