

Converting Colors

CIELCh(80, 86.720, 146.216)

Have a look what the booklet for
CIELCh(80, 86.720, 146.216)
contains.

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Color

CIELCh(80, 86.640, 146.206)

Conversions

Conversions Part 1

Format	Color
Hex	0AE466
RGB	10, 228, 102
RGB Percent	4%, 89%, 40%
CMY	0.9617, 0.1047, 0.5989
CMYK	0.96, 0.00, 0.55, 0.10
HSL	145°, 92%, 47%
HSV	145°, 96%, 90%
XYZ	30.3607, 56.6813, 21.9820
YIQ	148.4540, -89.4820, -85.4020

Conversions

Conversions Part 2

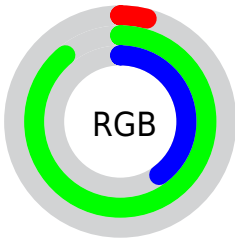
Format	Color
RYB	10, 163, 228
Decimal	713830
CIELab	80.00, -72.00, 48.19
CIELCh	80, 86.640, 146.206
Yxy	56.6813, 0.2785, 0.5199
Android (android.graphics.Color)	4278903910 (0xFF0AE466)
YUV	148.4540, -22.9018, -121.4242
Hunter-Lab	75.2870, -59.7691, 35.3896

Details

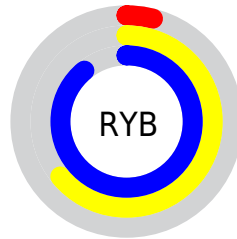
The CIELCh color **80, 86.640, 146.206** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **50, 79.237, 354.043**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 69.930, 149.171**, and **61, 79.120, 140.862** is the 20% darker color. If you saturate the color by 10%, you get **80, 88.892, 145.282**, and if you desaturate by 10%, it is **80, 80.858, 148.387**.

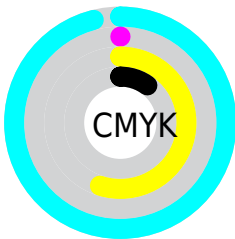
Distribution



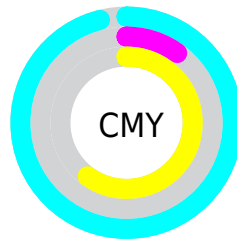
- Red (4%)
- Green (89%)
- Blue (40%)



- Red (4%)
- Yellow (64%)
- Blue (89%)



- Cyan (96%)
- Magenta (0%)
- Yellow (55%)
- Black (10%)





- Cyan (96%)
- Magenta (10%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 86.640, 146.206 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 80, 86.640, 146.206 by changing the saturation by 10% instead.


 80, 86.640,
146.206


 80, 86.640,
146.206


 100, 86.640,
146.206


 70, 86.640,
146.206


 60, 86.640,
146.206

 50, 86.640,
146.206

 40, 86.640,
146.206

 30, 86.640,
146.206

 20, 86.640,
146.206

 10, 86.640,

146.206

■ 0, 86.640, 146.206

■ 80, 86.640,
146.206

■ 80, 86.640,
146.206

■ 80, 88.892,
145.282

■ 80, 80.858,
148.387

■ 81, 74.068,
150.400

■ 81, 66.274,
152.208

■ 82, 57.561,
153.808

■ 83, 48.081,
155.212

■ 85, 38.014,
156.442

■ 86, 27.552,
157.523

■ 88, 16.871,
158.481

■ 90, 6.124, 159.366

Harmonies

Complementary

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



80, 86.640, 146.206



50, 79.237, 354.043

Rectangle

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



80, 86.640, 146.206



80, 86.640, 196.206



80, 86.640, 326.206



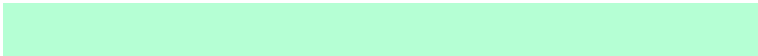
80, 86.640, 16.206

Sweetspot

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



80, 86.640, 146.206



94, 33.918, 157.165



82, 96.468, 124.741



50, 23.206, 156.698



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 86.640, 146.206



88, 96.952, 145.135



82, 49.340, 184.730



47, 6.112, 159.036



64, 73.325, 145.670



18, 28.198, 149.826

Inverse Universe

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



50, 79.237, 354.043



55, 86.283, 355.683



48, 90.113, 35.682



45, 6.168, 340.434



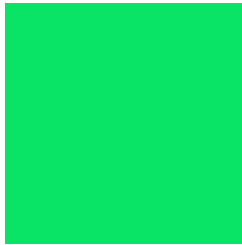
39, 66.254, 354.843



7, 28.521, 349.371

Previews

White Background



This preview shows how the CIE LCh color 80, 86.640, 146.206 looks on a white background.

Color Contrast Check

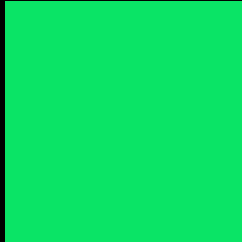
Large Text (above 18pt) WCAG AA × Fail

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 80, 86.640, 146.206 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 80, 86.640, 146.206

Background



This preview shows how black text looks on a background with the CIELCh color 80, 86.640, 146.206.

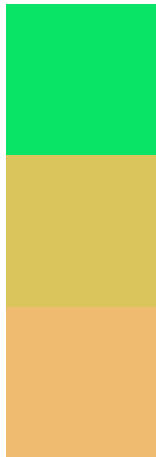


This preview shows how white text looks on a background with the CIELCh color 80, 86.640, 146.206.

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
80, 86.594, 146.177

Protanopia
79, 54.601, 95.646

Deuteranopia
79, 45.496, 77.091



Tritanopia
80, 34.948, 212.378

Trichromacy



Original Color
80, 86.594, 146.177



Protanomaly
77, 62.926, 129.645



Deuteranomaly
76, 51.699, 126.737



Tritanomaly
79, 48.975, 173.536

Monochromacy



Original Color
80, 86.594, 146.177



Achromatopsia
62, 0.008, 296.813



Achromatomaly
67, 38.632, 155.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 86.640, 146.206 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(10, 228, 102)` looks like.

```
.text, #text, p{  
    color:rgb(10, 228, 102)  
}
```

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(10, 228, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 228, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 86.640, 146.206 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(10, 228, 102) }
```

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

```
.border{ border-color:rgb(10, 228, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 228, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 228, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 228, 102);  
box-shadow:4px 4px 4px 4px rgb(10, 228,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 86.640, 146.206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 228, 102) }
```

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

```
.background{ background-color: rgb(10, 228,  
102) }
```

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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