

Converting Colors

CIELCh(76, 106.339, 136.144)

Have a look what the booklet for
CIELCh(76, 106.339, 136.144)
contains.

CIELCh(76, 106.329, 136.046)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(76, 106.329, 136.046)

Conversions

Conversions Part 1

Format	Color
Hex	00DA00
RGB	0, 218, 0
RGB Percent	0%, 85%, 0%
CMY	1.0000, 0.1469, 1.0000
CMYK	1.00, 0.00, 1.00, 0.15
HSL	120°, 100%, 43%
HSV	120°, 100%, 85%
XYZ	24.9173, 49.8872, 8.3054
YIQ	127.9660, -59.9500, -114.0140

Conversions

Conversions Part 2

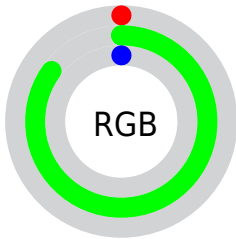
Format	Color
RYB	0, 218, 218
Decimal	55808
CIELab	76.00, -76.55, 73.80
CIELCh	76, 106.329, 136.046
Yxy	49.8872, 0.2998, 0.6003
Android (android.graphics.Color)	4278245888 (0xFF00DA00)
YUV	127.9660, -63.0872, -112.2262
Hunter-Lab	70.6309, -60.6324, 42.4698

Details

The CIELCh color **76, 106.329, 136.046** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **52, 102.505, 328.233**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 96.355, 135.787**, and **58, 84.923, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **76, 106.241, 136.016**, and if you desaturate by 10%, it is **76, 103.650, 136.391**.

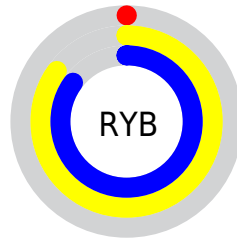
Distribution



Red (0%)

Green (85%)

Blue (0%)



Red (0%)

Yellow (85%)

Blue (85%)

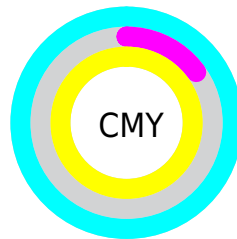


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (15%)



Cyan (100%)


Magenta (15%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 106.329, 136.046 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, 106.329, 136.046 by changing the saturation by 10% instead.


 76, 106.329,
136.046


 76, 106.329,
136.046


 100, 106.329,
136.046


 66, 106.329,
136.046


 96, 106.329,
136.046


 56, 106.329,
136.046

 46, 106.329,
136.046

 36, 106.329,
136.046

 26, 106.329,
136.046

 16, 106.329,
136.046

 6, 106.329,

136.046

■ 0, 106.329,
136.046

■ 76, 106.329,
136.046

■ 76, 106.329,
136.046

■ 76, 106.241,
136.016

■ 76, 103.650,
136.391

■ 76, 98.506,
137.098

■ 77, 90.631,
138.088

■ 78, 80.512,
139.213

■ 79, 68.718,
140.343

■ 80, 55.774,
141.399

■ 81, 42.115,
142.341

■ 83, 28.096,
143.161

■ 85, 13.987,
143.869

Harmonies

Complementary

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



76, 106.329, 136.046



52, 102.505, 328.233

Rectangle

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



76, 106.329, 136.046



76, 106.329, 186.046



76, 106.329, 316.046



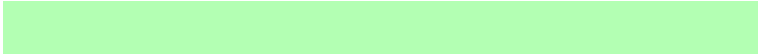
76, 106.329, 6.046

Sweetspot

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



76, 106.241, 136.016



94, 47.903, 142.317



84, 85.957, 102.852



49, 32.612, 141.930



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, 106.241, 136.016



88, 119.779, 136.016



77, 79.421, 148.876



45, 7.989, 143.906



62, 89.703, 136.016



15, 33.724, 140.235

Inverse Universe

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



52, 102.505, 328.233



60, 115.567, 328.233



47, 75.109, 2.511



43, 8.001, 324.938



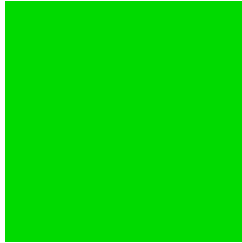
41, 86.549, 328.233



7, 34.556, 328.173

Previews

White Background



This preview shows how the CIELCh color 76, 106.329, 136.046 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 CIE LCh color 76, 106.329, 136.046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

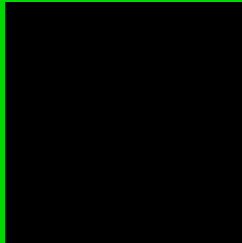
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 106.329, 136.046

Background



This preview shows how black text looks on a background with the CIELCh color 76, 106.329, 136.046.



This preview shows how white text looks on a background with the CIELCh color 76, 106.329, 136.046.

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

76, 106.408, 136.016

Protanopia

75, 77.268, 94.834

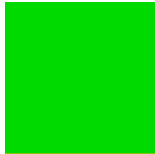
Deuteranopia

75, 69.536, 81.702



Tritanopia
76, 32.184, 214.006

Trichromacy



Original Color

76, 106.408, 136.016



Protanomaly

73, 84.719, 120.888



Deuteranomaly

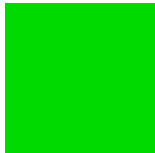
72, 76.193, 116.862



Tritanomaly

75, 59.445, 156.931

Monochromacy



Original Color

76, 106.408, 136.016



Achromatopsia

54, 0.007, 296.813



Achromatomaly

60, 53.583, 140.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 106.329, 136.046 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(0, 218, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 0)  
}
```

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(0, 218, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 106.329, 136.046 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(0, 218, 0) }
```

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

```
.border{ border-color:rgb(0, 218, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 218, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 218, 0); box-shadow:4px  
4px 4px 4px rgb(0, 218, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 106.329, 136.046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 0) }
```

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

```
.background{ background-color: rgb(0, 218,  
0) }
```

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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