

Converting Colors

CIELCh(76, 79.707, 126.339)

Have a look what the booklet for
CIELCh(76, 79.707, 126.339)
contains.

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Color

CIELCh(76, 79.611, 126.221)

Conversions

Conversions Part 1

Format	Color
Hex	83CF36
RGB	131, 207, 54
RGB Percent	51%, 81%, 21%
CMY	0.4851, 0.1871, 0.7870
CMYK	0.37, 0.00, 0.74, 0.19
HSL	90°, 62%, 51%
HSV	90°, 74%, 81%
XYZ	32.4642, 49.8872, 11.4477
YIQ	166.8340, 3.8170, -63.6950

Conversions

Conversions Part 2

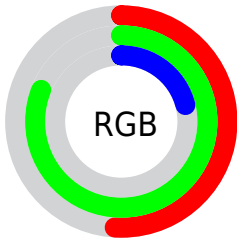
Format	Color
RYB	54, 207, 130
Decimal	8638262
CIELab	76.00, -47.04, 64.23
CIELCh	76, 79.611, 126.221
Yxy	49.8872, 0.3461, 0.5319
Android (android.graphics.Color)	4286828342 (0xFF83CF36)
YUV	166.8340, -55.6272, -31.4264
Hunter-Lab	70.6309, -41.5597, 39.8321

Details

The CIELCh color **76, 79.611, 126.221** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **41, 89.119, 312.435**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 74.621, 125.005**, and **56, 74.432, 128.434** is the 20% darker color. If you saturate the color by 10%, you get **75, 86.504, 126.568**, and if you desaturate by 10%, it is **77, 70.969, 126.245**.

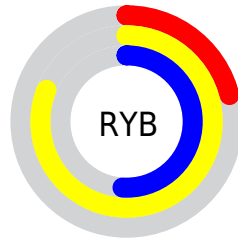
Distribution



Red (51%)

Green (81%)

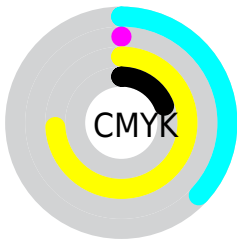
Blue (21%)



Red (21%)

Yellow (81%)

Blue (51%)

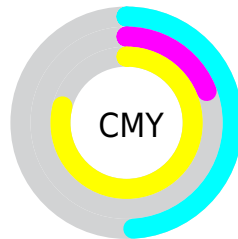


Cyan (37%)

Magenta (0%)

Yellow (74%)

Black (19%)



Cyan (49%)


Magenta (19%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 79.611, 126.221 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, 79.611, 126.221 by changing the saturation by 10% instead.


 76, 79.611,
126.221


 76, 79.611,
126.221


 100, 79.611,
126.221


 66, 79.611,
126.221


 96, 79.611,
126.221

 56, 79.611,
126.221

 46, 79.611,
126.221

 36, 79.611,
126.221

 26, 79.611,
126.221

 16, 79.611,
126.221

 6, 79.611, 126.221

■ 0, 79.611, 126.221

■ 76, 79.611,
126.221

■ 76, 79.611,
126.221

■ 75, 86.504,
126.568

■ 77, 70.969,
126.245

■ 75, 91.248,
127.390

■ 77, 61.077,
126.509

■ 75, 93.340,
128.066

■ 78, 50.367,
126.910

■ 79, 39.155,
127.378

■ 80, 27.662,
127.865

■ 81, 16.041,
128.346

■ 83, 4.397, 128.820

■ 84, 7.195, 309.198

■ 85, 18.681,
309.594

Harmonies

Complementary

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



76, 79.611, 126.221



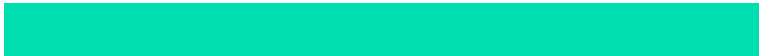
41, 89.119, 312.435

Rectangle

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



76, 79.611, 126.221



76, 79.611, 176.221



76, 79.611, 306.221



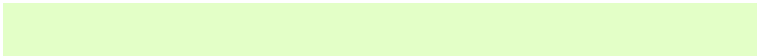
76, 79.611, 356.221

Sweetspot

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



76, 79.611, 126.222



97, 30.265, 127.940



61, 56.685, 64.391



51, 20.326, 127.806



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, 79.611, 126.222



90, 104.909, 127.024



73, 90.143, 137.508



43, 6.640, 128.552



62, 79.745, 127.824



14, 26.131, 129.525

Inverse Universe

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



41, 89.119, 312.435



44, 119.599, 312.285



52, 88.465, 327.321



41, 6.731, 309.368



26, 91.407, 311.903



3, 26.725, 307.357

Previews

White Background



This preview shows how the CIELCh color 76, 79.611, 126.221 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, 79.611, 126.221 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, 79.611, 126.221

Background



This preview shows how black text looks on a background with the CIELCh color 76, 79.611, 126.221.



This preview shows how white text looks on a background with the CIELCh color 76, 79.611, 126.221.

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, 15.924, 231.529

Trichromacy



Original Color
76, 79.611, 126.221



Protanomaly
75, 69.214, 108.415



Deuteranomaly
75, 62.877, 100.950

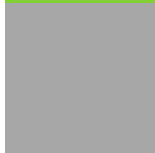


Tritanomaly
75, 31.589, 147.413

Monochromacy



Original Color
76, 79.611, 126.221



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 32.143, 127.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 79.611, 126.221 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(131, 207, 54)` looks like.

```
.text, #text, p{  
    color:rgb(131, 207, 54)  
}
```

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(131, 207, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 207, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 79.611, 126.221 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(131, 207, 54) }
```

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

```
.border{ border-color:rgb(131, 207, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 207, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 207, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 207, 54);  
box-shadow:4px 4px 4px 4px rgb(131, 207,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 79.611, 126.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 207, 54) }
```

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

```
.background{ background-color: rgb(131,  
207, 54) }
```

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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