

Converting Colors

CIELCh(77, 101.788, 135.994)

Have a look what the booklet for
CIELCh(77, 101.788, 135.994)
contains.

CIELCh(77, 101.495, 136.000)	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(77, 101.495, 136.000)

Conversions

Conversions Part 1

Format	Color
Hex	2EDB20
RGB	46, 219, 32
RGB Percent	18%, 86%, 13%
CMY	0.8208, 0.1397, 0.8762
CMYK	0.79, 0.00, 0.86, 0.14
HSL	115°, 75%, 49%
HSV	115°, 86%, 86%
XYZ	26.7957, 51.5317, 9.8693
YIQ	145.9550, -43.0810, -94.8330

Conversions

Conversions Part 2

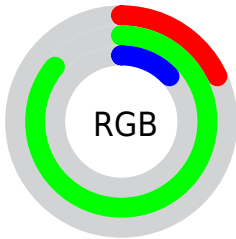
Format	Color
RYB	32, 219, 205
Decimal	3070752
CIELab	77.00, -73.01, 70.50
CIELCh	77, 101.495, 136.000
Yxy	51.5317, 0.3038, 0.5843
Android (android.graphics.Color)	4281260832 (0xFF2EDB20)
YUV	145.9550, -56.1798, -87.6605
Hunter-Lab	71.7856, -58.9955, 42.0986

Details

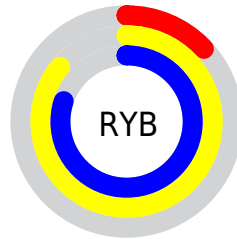
The CIELCh color **77, 101.495, 136.000** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **51, 99.534, 325.454**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.104, 135.866**, and **58, 85.311, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 105.433, 135.801**, and if you desaturate by 10%, it is **77, 94.753, 136.558**.

Distribution



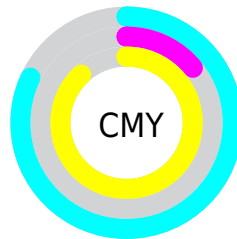
- Red (18%)
- Green (86%)
- Blue (13%)



- Red (13%)
- Yellow (86%)
- Blue (80%)



- Cyan (79%)
- Magenta (0%)
- Yellow (86%)
- Black (14%)





- Cyan (82%)
- Magenta (14%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 101.495, 136.000 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 77, 101.495, 136.000 by changing the saturation by 10% instead.


 77, 101.495,
136.000


 77, 101.495,
136.000


 100, 101.495,
136.000


 67, 101.495,
136.000


 97, 101.495,
136.000

 57, 101.495,
136.000

 47, 101.495,
136.000

 37, 101.495,
136.000

 27, 101.495,
136.000

 17, 101.495,
136.000

 7, 101.495,

136.000

■ 0, 101.495,
136.000

■ 77, 101.495,
136.000

■ 77, 101.495,
136.000

■ 77, 105.433,
135.801

■ 77, 94.753,
136.558

■ 77, 106.513,
135.745

■ 78, 85.576,
137.365

■ 79, 74.539,
138.285

■ 80, 62.198,
139.211

■ 81, 49.017,
140.078

■ 83, 35.363,
140.858

■ 84, 21.515,
141.543

■ 86, 7.685, 142.149

■ 88, 5.977, 322.572

Harmonies

Complementary

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



77, 101.495, 136.000



51, 99.534, 325.454

Rectangle

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



77, 101.495, 136.000



77, 101.495, 186.000



77, 101.495, 316.000



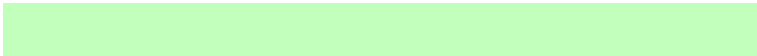
77, 101.495, 6.000

Sweetspot

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



77, 101.495, 136.001



95, 40.559, 140.813



81, 77.937, 98.149



50, 27.478, 140.550



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 101.495, 136.001



88, 119.390, 135.780



77, 78.746, 148.164



45, 7.796, 141.923



62, 89.280, 135.673



15, 33.022, 138.810

Inverse Universe

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



51, 99.534, 325.454



57, 116.104, 325.242



50, 75.614, 350.512



43, 7.818, 322.858



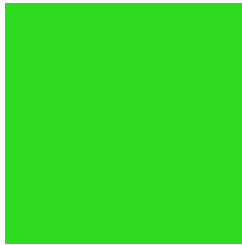
39, 86.938, 325.312



6, 34.266, 325.581

Previews

White Background



This preview shows how the CIELCh color 77, 101.495, 136.000 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 77, 101.495, 136.000 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 77, 101.495, 136.000

Background



This preview shows how black text looks on a background with the CIELCh color 77, 101.495, 136.000.



This preview shows how white text looks on a background with the CIELCh color 77, 101.495, 136.000.

136.000.

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

77, 101.245, 136.014

Protanopia

76, 75.422, 95.264

Deuteranopia

76, 67.370, 81.780



Tritanopia
77, 30.919, 214.767

Trichromacy



Original Color
77, 101.245, 136.014



Protanomaly
75, 80.691, 117.669



Deuteranomaly
74, 71.307, 113.004



Tritanomaly
76, 52.439, 159.467

Monochromacy



Original Color
77, 101.245, 136.014



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 44.975, 139.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 101.495, 136.000 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(46, 219, 32)` looks like.

```
.text, #text, p{  
    color:rgb(46, 219, 32)  
}
```

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(46, 219, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 219, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 101.495, 136.000 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(46, 219, 32) }
```

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

```
.border{ border-color:rgb(46, 219, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 219, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 219, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 219, 32);  
box-shadow:4px 4px 4px 4px rgb(46, 219,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 101.495, 136.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 219, 32) }
```

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

```
.background{ background-color: rgb(46, 219,  
32) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor