

Converting Colors

CIELCh(77, 101.904, 136.804)

Have a look what the booklet for
CIELCh(77, 101.904, 136.804)
contains.

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Color

CIELCh(77, 101.904, 136.804)

Conversions

Conversions Part 1

Format	Color
Hex	22DC23
RGB	34, 220, 35
RGB Percent	13%, 86%, 14%
CMY	0.8686, 0.1380, 0.8638
CMYK	0.85, 0.00, 0.84, 0.14
HSL	120°, 74%, 50%
HSV	120°, 85%, 86%
XYZ	26.4830, 51.5317, 10.1190
YIQ	143.2960, -51.4710, -96.9670

Conversions

Conversions Part 2

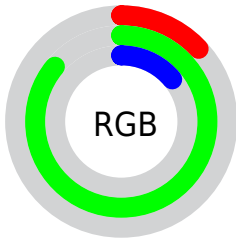
Format	Color
RYB	34, 219, 220
Decimal	2284579
CIELab	77.00, -74.29, 69.75
CIELCh	77, 101.904, 136.804
Yxy	51.5317, 0.3005, 0.5847
Android (android.graphics.Color)	4280474659 (0xFF22DC23)
YUV	143.2960, -53.3899, -95.8526
Hunter-Lab	71.7856, -59.7730, 41.8923

Details

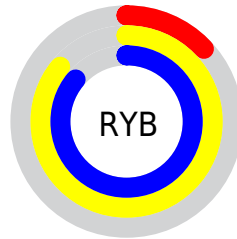
The CIELCh color **77, 101.904, 136.804** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **53, 98.741, 328.327**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 90.516, 136.672**, and **58, 85.698, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 105.799, 136.228**, and if you desaturate by 10%, it is **77, 95.171, 137.711**.

Distribution



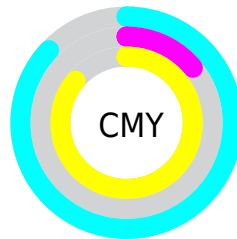
- Red (13%)
- Green (86%)
- Blue (14%)



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



- Cyan (85%)
- Magenta (0%)
- Yellow (84%)
- Black (14%)





- Cyan (87%)
- Magenta (14%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 101.904, 136.804 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, 101.904, 136.804 by changing the saturation by 10% instead.


 77, 101.904,
136.804


 77, 101.904,
136.804


 100, 101.904,
136.804


 67, 101.904,
136.804


 97, 101.904,
136.804

 57, 101.904,
136.804

 47, 101.904,
136.804

 37, 101.904,
136.804

 27, 101.904,
136.804

 17, 101.904,
136.804

 7, 101.904,

136.804

■ 0, 101.904,
136.804

■ 77, 101.904,
136.804

■ 77, 101.904,
136.804

■ 77, 105.799,
136.228

■ 77, 95.171,
137.711

■ 77, 106.956,
136.059

■ 78, 85.958,
138.813

■ 79, 74.818,
139.967

■ 80, 62.297,
141.072

■ 81, 48.869,
142.075

■ 83, 34.925,
142.956

■ 85, 20.773,
143.716

■ 87, 6.647, 144.387

■ 89, 7.285, 324.850

Harmonies

Complementary

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



77, 101.904, 136.804



53, 98.741, 328.327

Rectangle

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



77, 101.904, 136.804



77, 101.904, 186.804



77, 101.904, 316.804



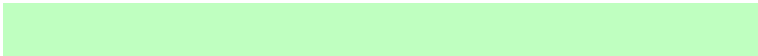
77, 101.904, 6.804

Sweetspot

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



77, 101.904, 136.805



94, 39.788, 142.918



85, 82.442, 103.185



50, 27.129, 142.619



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, 101.904, 136.805



88, 119.675, 136.051



78, 72.394, 152.251



45, 7.954, 144.079



62, 89.577, 136.073



15, 33.614, 140.339

Inverse Universe

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



53, 98.741, 328.327



60, 114.967, 328.498



49, 73.042, 356.765



43, 7.966, 325.113



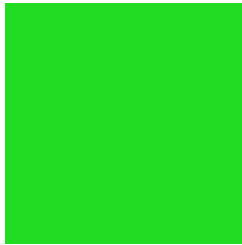
41, 86.110, 328.492



7, 34.401, 328.386

Previews

White Background



This preview shows how the CIELCh color 77, 101.904, 136.804 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 77, 101.904, 136.804 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, 101.904, 136.804

Background



This preview shows how black text looks on a background with the CIELCh color 77, 101.904, 136.804.



This preview shows how white text looks on a background with the CIELCh color 77, 101.904, 136.804.

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

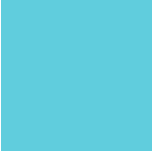
77, 101.904, 136.804

Protanopia

76, 74.683, 95.258

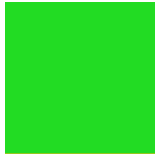
Deuteranopia

76, 66.663, 81.624



Tritanopia
77, 31.848, 213.143

Trichromacy



Original Color

77, 101.904, 136.804



Protanomaly

75, 80.535, 119.208



Deuteranomaly

74, 70.789, 114.864



Tritanomaly

76, 53.174, 160.651

Monochromacy



Original Color

77, 101.904, 136.804



Achromatopsia

59, 0.008, 296.813



Achromatomaly

64, 45.183, 141.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 101.904, 136.804 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(34, 220, 35)` looks like.

```
.text, #text, p{  
    color:rgb(34, 220, 35)  
}
```

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(34, 220, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 220, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 101.904, 136.804 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(34, 220, 35) }
```

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

```
.border{ border-color:rgb(34, 220, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 220, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 220, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 220, 35);  
box-shadow:4px 4px 4px 4px rgb(34, 220,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 101.904, 136.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 220, 35) }
```

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

```
.background{ background-color: rgb(34, 220,  
35) }
```

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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