

Converting Colors

CIELCh(77, 104.075, 136.039)

Have a look what the booklet for
CIELCh(77, 104.075, 136.039)
contains.

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Color

CIELCh(77, 104.086, 136.065)

Conversions

Conversions Part 1

Format	Color
Hex	20DC16
RGB	32, 220, 22
RGB Percent	13%, 86%, 9%
CMY	0.8748, 0.1374, 0.9139
CMYK	0.85, 0.00, 0.90, 0.14
HSL	117°, 82%, 47%
HSV	117°, 90%, 86%
XYZ	26.3214, 51.5317, 9.3149
YIQ	141.2160, -48.4900, -101.4340

Conversions

Conversions Part 2

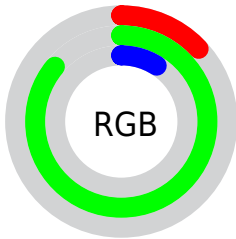
Format	Color
R _Y B	22, 220, 210
Decimal	2153494
CIE Lab	77.00, -74.96, 72.22
CIE LCh	77, 104.086, 136.065
Yxy	51.5317, 0.3020, 0.5912
Android (android.graphics.Color)	4280343574 (0xFF20DC16)
YUV	141.2160, -58.7735, -95.7824
Hunter-Lab	71.7856, -60.1748, 42.5565

Details

The CIELCh color **77, 104.086, 136.065** 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, 101.374, 326.320**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 92.720, 135.968**, and **58, 85.698, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 106.881, 135.848**, and if you desaturate by 10%, it is **77, 98.665, 136.569**.

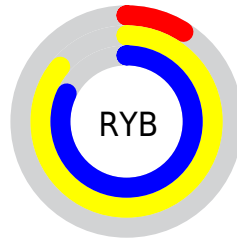
Distribution



Red (13%)

Green (86%)

Blue (9%)



Red (9%)

Yellow (86%)

Blue (82%)

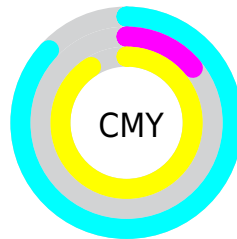


Cyan (85%)

Magenta (0%)

Yellow (90%)

Black (14%)



Cyan (87%)

Magenta (14%)

Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 104.086, 136.065 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, 104.086, 136.065 by changing the saturation by 10% instead.

 77, 104.086,
136.065

 77, 104.086,
136.065


 100, 104.086,
136.065


 67, 104.086,
136.065

 97, 104.086,
136.065


 57, 104.086,
136.065

 47, 104.086,
136.065

 37, 104.086,
136.065

 27, 104.086,
136.065

 17, 104.086,
136.065

 7, 104.086,

136.065

■ 0, 104.086,
136.065

■ 77, 104.086,
136.065

■ 77, 104.086,
136.065

■ 77, 106.881,
135.848

■ 77, 98.665,
136.569

■ 78, 90.557,
137.371

■ 79, 80.275,
138.334

■ 80, 68.402,
139.330

■ 81, 55.453,
140.279

■ 82, 41.849,
141.139

■ 84, 27.919,
141.895

■ 86, 13.915,
142.554

■ 88, 0.023, 154.630

Harmonies

Complementary

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



77, 104.086, 136.065



51, 101.374, 326.320

Rectangle

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



77, 104.086, 136.065



77, 104.086, 186.065



77, 104.086, 316.065



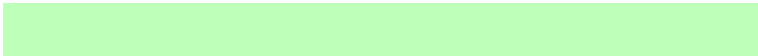
77, 104.086, 6.065

Sweetspot

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



77, 104.085, 136.066



94, 42.454, 141.361



82, 80.568, 98.933



50, 28.583, 141.087



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, 104.085, 136.066



88, 119.544, 135.874



78, 80.302, 147.947



45, 7.859, 142.590



62, 89.425, 135.791



15, 33.248, 139.282

Inverse Universe

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



51, 101.374, 326.320



58, 115.882, 326.219



49, 76.152, 353.022



43, 7.877, 323.555



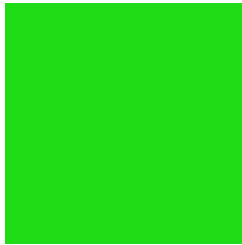
40, 86.777, 326.267



7, 34.376, 326.446

Previews

White Background



This preview shows how the CIELCh color 77, 104.086, 136.065 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, 104.086, 136.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

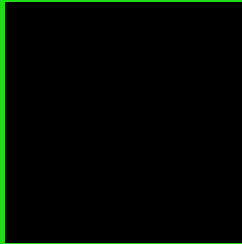
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 104.086, 136.065

Background



This preview shows how black text looks on a background with the CIELCh color 77, 104.086, 136.065.



This preview shows how white text looks on a background with the CIELCh color 77, 104.086, 136.065.

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

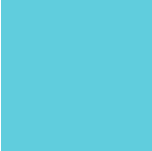
77, 104.086, 136.065

Protanopia

76, 78.101, 95.277

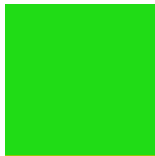
Deuteranopia

76, 69.068, 82.139



Tritanopia
77, 31.848, 213.143

Trichromacy



Original Color

77, 104.086, 136.065



Protanomaly

75, 83.512, 118.415



Deuteranomaly

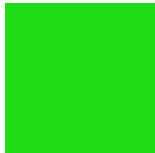
74, 73.742, 114.186



Tritanomaly

76, 54.662, 158.963

Monochromacy



Original Color

77, 104.086, 136.065



Achromatopsia

59, 0.008, 296.813



Achromatomaly

64, 47.632, 140.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 104.086, 136.065 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(32, 220, 22)` looks like.

```
.text, #text, p{  
    color:rgb(32, 220, 22)  
}
```

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(32, 220, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 220, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 104.086, 136.065 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(32, 220, 22) }
```

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

```
.border{ border-color:rgb(32, 220, 22) }
```

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

Here you see how a box with a 4 pixel rgb(32, 220, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 220, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 220, 22);  
box-shadow:4px 4px 4px 4px rgb(32, 220,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 104.086, 136.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 220, 22) }
```

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

```
.background{ background-color: rgb(32, 220,  
22) }
```

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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