

Converting Colors

CIELCh(77, 101.040, 133.968)

Have a look what the booklet for
CIELCh(77, 101.040, 133.968)
contains.

CIELCh(77, 100.918, 133.994)	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, 100.918, 133.994)

Conversions

Conversions Part 1

Format	Color
Hex	42DA15
RGB	66, 218, 21
RGB Percent	26%, 85%, 8%
CMY	0.7430, 0.1436, 0.9185
CMYK	0.70, 0.00, 0.90, 0.14
HSL	106°, 83%, 47%
HSV	106°, 90%, 86%
XYZ	27.5164, 51.5317, 9.1941
YIQ	150.0940, -27.3550, -93.4910

Conversions

Conversions Part 2

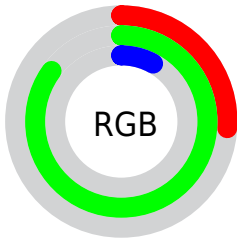
Format	Color
RYB	21, 218, 173
Decimal	4381205
CIELab	77.00, -70.10, 72.60
CIElCh	77, 100.918, 133.994
Yxy	51.5317, 0.3118, 0.5840
Android (android.graphics.Color)	4282571285 (0xFF42DA15)
YUV	150.0940, -63.6433, -73.7504
Hunter-Lab	71.7856, -57.2034, 42.6562

Details

The CIELCh color **77, 100.918, 133.994** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **45, 102.383, 320.185**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 90.307, 133.316**, and **58, 85.311, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 104.305, 134.430**, and if you desaturate by 10%, it is **77, 95.052, 133.854**.

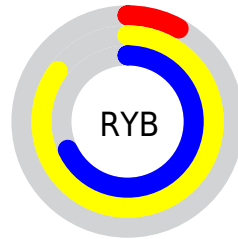
Distribution



Red (26%)

Green (85%)

Blue (8%)



Red (8%)

Yellow (85%)

Blue (68%)

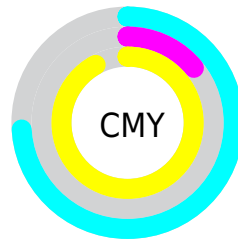


Cyan (70%)

Magenta (0%)

Yellow (90%)

Black (14%)



Cyan (74%)


Magenta (14%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 100.918, 133.994 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, 100.918, 133.994 by changing the saturation by 10% instead.


 77, 100.918,
133.994


 77, 100.918,
133.994


 100, 100.918,
133.994


 67, 100.918,
133.994


 97, 100.918,
133.994

 57, 100.918,
133.994

 47, 100.918,
133.994

 37, 100.918,
133.994

 27, 100.918,
133.994

 17, 100.918,
133.994

 7, 100.918,

133.994

■ 0, 100.918,
133.994

■ 77, 100.918,
133.994

■ 77, 100.918,
133.994

■ 77, 104.305,
134.430

■ 77, 95.052,
133.854

■ 78, 86.781,
134.085

■ 79, 76.624,
134.567

■ 80, 65.142,
135.174

■ 81, 52.800,
135.819

■ 82, 39.951,
136.445

■ 84, 26.854,
137.026

■ 85, 13.699,
137.552

■ 87, 0.623, 138.338

Harmonies

Complementary

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



77, 100.918, 133.994



45, 102.383, 320.185

Rectangle

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



77, 100.918, 133.994



77, 100.918, 183.994



77, 100.918, 313.994



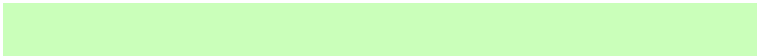
77, 100.918, 3.994

Sweetspot

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



77, 100.918, 133.995



95, 40.145, 136.640



73, 72.879, 86.384



50, 27.035, 136.433



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, 100.918, 133.995



88, 117.392, 134.517



77, 91.771, 141.685



45, 7.437, 137.605



62, 87.634, 134.269



16, 31.758, 135.914

Inverse Universe

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



45, 102.383, 320.185



51, 118.328, 319.633



50, 83.167, 341.180



43, 7.484, 318.405



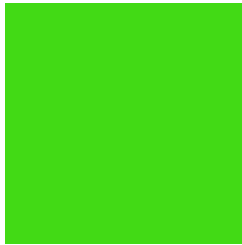
34, 88.539, 319.823



5, 33.361, 320.125

Previews

White Background



This preview shows how the CIELCh color 77, 100.918, 133.994 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, 100.918, 133.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

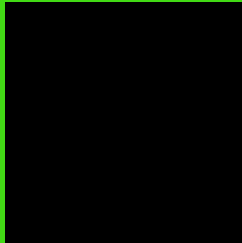
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 100.918, 133.994

Background



This preview shows how black text looks on a background with the CIELCh color 77, 100.918, 133.994.



This preview shows how white text looks on a background with the CIELCh color 77, 100.918, 133.994.

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

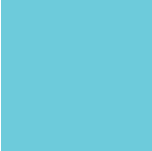
77, 100.687, 133.958

Protanopia

76, 78.168, 94.951

Deuteranopia

76, 69.586, 81.871



Tritanopia
77, 28.821, 215.063

Trichromacy



Original Color

77, 100.687, 133.958



Protanomaly

75, 82.169, 115.214



Deuteranomaly

74, 72.672, 109.609



Tritanomaly

76, 51.518, 155.863

Monochromacy



Original Color

77, 100.687, 133.958



Achromatopsia

62, 0.008, 296.813



Achromatomaly

66, 44.869, 135.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 100.918, 133.994 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(66, 218, 21)` looks like.

```
.text, #text, p{  
    color:rgb(66, 218, 21)  
}
```

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(66, 218, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 218, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 100.918, 133.994 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(66, 218, 21) }
```

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

```
.border{ border-color:rgb(66, 218, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 218, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 218, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 218, 21);  
box-shadow:4px 4px 4px 4px rgb(66, 218,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 100.918, 133.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 218, 21) }
```

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

```
.background{ background-color: rgb(66, 218,  
21) }
```

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