

Converting Colors

CIELCh(77, 84.953, 143.137)

Have a look what the booklet for
CIELCh(77, 84.953, 143.137)
contains.

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Color

CIELCh(77, 84.677, 143.218)

Conversions

Conversions Part 1

Format	Color
Hex	2FDA59
RGB	47, 218, 89
RGB Percent	18%, 85%, 35%
CMY	0.8149, 0.1447, 0.6506
CMYK	0.78, 0.00, 0.59, 0.14
HSL	135°, 70%, 52%
HSV	135°, 78%, 86%
XYZ	28.0885, 51.5317, 17.9394
YIQ	152.1650, -60.5070, -76.3710

Conversions

Conversions Part 2

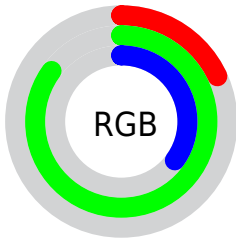
Format	Color
RYB	47, 184, 218
Decimal	3136089
CIELab	77.00, -67.82, 50.70
CIELCh	77, 84.677, 143.218
Yxy	51.5317, 0.2879, 0.5282
Android (android.graphics.Color)	4281326169 (0xFF2FDA59)
YUV	152.1650, -31.1403, -92.2297
Hunter-Lab	71.7856, -55.7809, 35.4332

Details

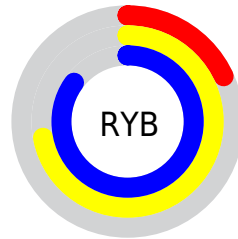
The CIELCh color **77, 84.677, 143.218** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **52, 80.483, 338.398**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 73.159, 144.520**, and **58, 78.802, 139.133** is the 20% darker color. If you saturate the color by 10%, you get **77, 91.722, 141.437**, and if you desaturate by 10%, it is **78, 76.290, 144.897**.

Distribution



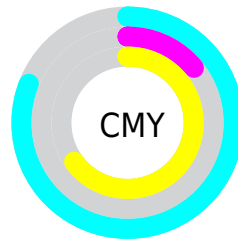
- Red (18%)
- Green (85%)
- Blue (35%)



- Red (18%)
- Yellow (72%)
- Blue (85%)



- Cyan (78%)
- Magenta (0%)
- Yellow (59%)
- Black (14%)



- Cyan (81%)
- Magenta (14%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 84.677, 143.218 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, 84.677, 143.218 by changing the saturation by 10% instead.

 77, 84.677,
143.218

 77, 84.677,
143.218


 100, 84.677,
143.218


 67, 84.677,
143.218


 97, 84.677,
143.218

 57, 84.677,
143.218

 47, 84.677,
143.218

 37, 84.677,
143.218

 27, 84.677,
143.218

 17, 84.677,
143.218

 7, 84.677, 143.218

0, 84.677, 143.218

77, 84.677,
143.218

77, 84.677,
143.218

77, 91.722,
141.437

78, 76.290,
144.897

76, 97.327,
139.669

78, 66.747,
146.420

76, 98.134,
139.410

79, 56.276,
147.769

81, 45.124,
148.948

82, 33.530,
149.969

84, 21.710,
150.855

■ 85, 9.845, 151.636

■ 87, 1.923, 332.083

■ 90, 13.489,
332.813

Harmonies

Complementary

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



77, 84.677, 143.218



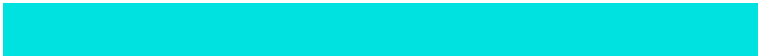
52, 80.483, 338.398

Rectangle

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



77, 84.677, 143.218



77, 84.677, 193.218



77, 84.677, 323.218



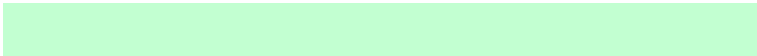
77, 84.677, 13.218

Sweetspot

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



77, 84.677, 143.218



95, 32.226, 150.352



82, 80.637, 115.412



50, 22.128, 150.022



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, 84.677, 143.218



88, 107.459, 140.274



78, 53.566, 168.632



45, 6.717, 151.555



62, 82.125, 139.705



15, 29.683, 144.737

Inverse Universe

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



52, 80.483, 338.398



58, 95.355, 340.466



49, 68.560, 13.840



43, 6.743, 332.740



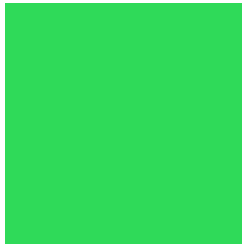
39, 71.783, 340.963



6, 29.087, 338.285

Previews

White Background



This preview shows how the CIELCh color 77, 84.677, 143.218 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, 84.677, 143.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

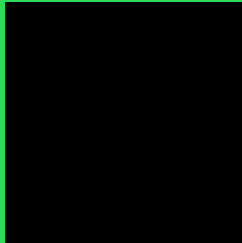
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 84.677, 143.218

Background



This preview shows how black text looks on a background with the CIELCh color 77, 84.677, 143.218.

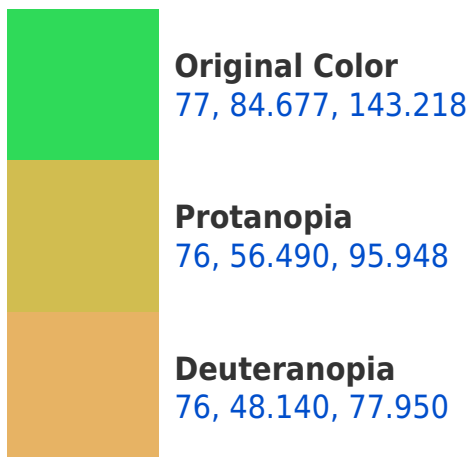


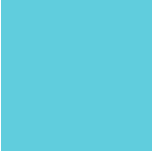
This preview shows how white text looks on a background with the CIELCh color 77, 84.677, 143.218.

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
77, 31.848, 213.143

Trichromacy



Original Color
77, 84.677, 143.218



Protanomaly
75, 62.800, 123.807



Deuteranomaly
74, 51.666, 118.949



Tritanomaly
77, 45.443, 170.152

Monochromacy



Original Color
77, 84.677, 143.218



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 34.973, 149.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 84.677, 143.218 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(47, 218, 89)` looks like.

```
.text, #text, p{  
    color:rgb(47, 218, 89)  
}
```

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(47, 218, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 218, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 84.677, 143.218 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(47, 218, 89) }
```

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

```
.border{ border-color:rgb(47, 218, 89) }
```

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

Here you see how a box with a 4 pixel rgb(47, 218, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 218, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 218, 89);  
box-shadow:4px 4px 4px 4px rgb(47, 218,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 84.677, 143.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 218, 89) }
```

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

```
.background{ background-color: rgb(47, 218,  
89) }
```

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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