

Converting Colors

CIELCh(77, 98.542, 135.609)

Have a look what the booklet for
CIELCh(77, 98.542, 135.609)
contains.

CIELCh(77, 98.668, 135.632)	3
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Color

CIELCh(77, 98.668, 135.632)

Conversions

Conversions Part 1

Format	Color
Hex	3BDB26
RGB	59, 219, 38
RGB Percent	23%, 86%, 15%
CMY	0.7671, 0.1428, 0.8491
CMYK	0.73, 0.00, 0.82, 0.14
HSL	113°, 71%, 50%
HSV	113°, 82%, 86%
XYZ	27.4072, 51.5317, 10.3751
YIQ	150.5260, -37.2590, -90.2110

Conversions

Conversions Part 2

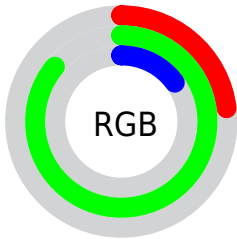
Format	Color
RYB	38, 219, 198
Decimal	3922726
CIELab	77.00, -70.53, 68.99
CIELCh	77, 98.668, 135.632
Yxy	51.5317, 0.3069, 0.5770
Android (android.graphics.Color)	4282112806 (0xFF3BDB26)
YUV	150.5260, -55.4753, -80.2683
Hunter-Lab	71.7856, -57.4750, 41.6808

Details

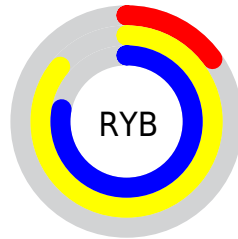
The CIELCh color **77, 98.668, 135.632** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **50, 97.754, 324.071**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 87.960, 135.297**, and **58, 85.311, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 103.691, 135.469**, and if you desaturate by 10%, it is **78, 90.988, 136.142**.

Distribution



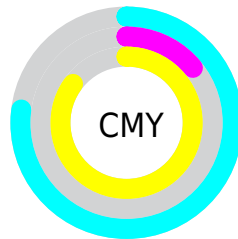
- Red (23%)
- Green (86%)
- Blue (15%)



- Red (15%)
- Yellow (86%)
- Blue (78%)



- Cyan (73%)
- Magenta (0%)
- Yellow (82%)
- Black (14%)




- Cyan (77%)
- Magenta (14%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 98.668, 135.632 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, 98.668, 135.632 by changing the saturation by 10% instead.

 77, 98.668,
135.632

 77, 98.668,
135.632


 100, 98.668,
135.632


 67, 98.668,
135.632


 97, 98.668,
135.632

 57, 98.668,
135.632

 47, 98.668,
135.632

 37, 98.668,
135.632

 27, 98.668,
135.632

 17, 98.668,
135.632

 7, 98.668, 135.632

■ 0, 98.668, 135.632

■ 77, 98.668,
135.632

■ 77, 98.668,
135.632

■ 77, 103.691,
135.469

■ 78, 90.988,
136.142

■ 76, 105.891,
135.512

■ 78, 81.132,
136.876

■ 79, 69.682,
137.705

■ 80, 57.156,
138.535

■ 82, 43.967,
139.312

■ 83, 30.433,
140.012

■ 85, 16.793,
140.631

■ 87, 3.223, 141.220

■ 89, 10.153,
321.572

Harmonies

Complementary

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



77, 98.668, 135.632



50, 97.754, 324.071

Rectangle

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



77, 98.668, 135.632



77, 98.668, 185.632



77, 98.668, 315.632



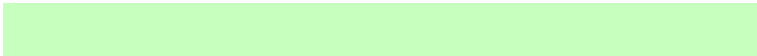
77, 98.668, 5.632

Sweetspot

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



77, 98.668, 135.633



95, 38.493, 139.824



79, 74.572, 96.228



50, 26.253, 139.577



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, 98.668, 135.633



88, 118.782, 135.558



77, 78.787, 147.429



45, 7.695, 140.800



62, 88.969, 135.416



15, 32.662, 138.032

Inverse Universe

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



50, 97.754, 324.071



55, 116.356, 323.697



50, 75.705, 347.378



43, 7.723, 321.690



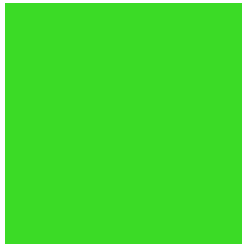
38, 87.267, 323.771



6, 34.059, 324.143

Previews

White Background



This preview shows how the CIELCh color 77, 98.668, 135.632 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, 98.668, 135.632 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, 98.668, 135.632

Background



This preview shows how black text looks on a background with the CIELCh color 77, 98.668, 135.632.

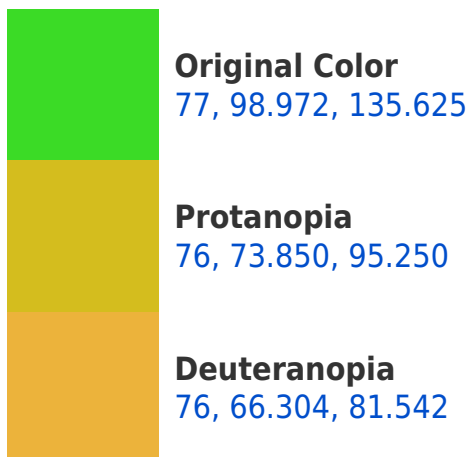


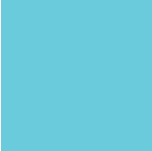
This preview shows how white text looks on a background with the CIELCh color 77, 98.668, 135.632.

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](#).

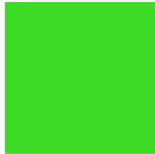
Dichromacy





Tritanopia
77, 29.509, 215.723

Trichromacy



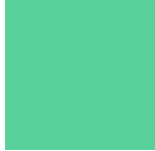
Original Color
77, 98.972, 135.625



Protanomaly
75, 78.532, 116.681



Deuteranomaly
74, 68.928, 111.339



Tritanomaly
76, 49.600, 159.506

Monochromacy



Original Color
77, 98.972, 135.625



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 42.538, 138.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 98.668, 135.632 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(59, 219, 38)` looks like.

```
.text, #text, p{  
    color:rgb(59, 219, 38)  
}
```

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(59, 219, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 219, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 98.668, 135.632 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(59, 219, 38) }
```

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

```
.border{ border-color:rgb(59, 219, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 219, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 219, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 219, 38);  
box-shadow:4px 4px 4px 4px rgb(59, 219,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 98.668, 135.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 219, 38) }
```

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

```
.background{ background-color: rgb(59, 219,  
38) }
```

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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