

Converting Colors

CIELCh(77, 96.961, 135.853)

Have a look what the booklet for
CIELCh(77, 96.961, 135.853)
contains.

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Color

CIELCh(77, 96.843, 135.834)

Conversions

Conversions Part 1

Format	Color
Hex	3FDA2C
RGB	63, 218, 44
RGB Percent	25%, 85%, 17%
CMY	0.7515, 0.1441, 0.8262
CMYK	0.71, 0.00, 0.80, 0.14
HSL	113°, 70%, 51%
HSV	113°, 80%, 86%
XYZ	27.6734, 51.5317, 10.9019
YIQ	151.8190, -36.5260, -86.9740

Conversions

Conversions Part 2

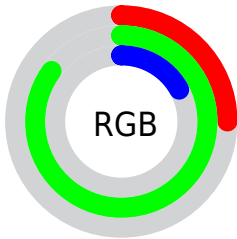
Format	Color
RYB	44, 218, 199
Decimal	4184620
CIELab	77.00, -69.47, 67.47
CIELCh	77, 96.843, 135.834
Yxy	51.5317, 0.3071, 0.5719
Android (android.graphics.Color)	4282374700 (0xFF3FDA2C)
YUV	151.8190, -53.1548, -77.8943
Hunter-Lab	71.7856, -56.8128, 41.2457

Details

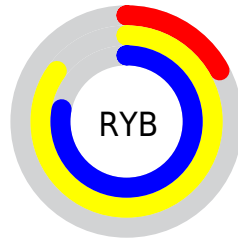
The CIELCh color **77, 96.843, 135.834** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **51, 96.010, 324.301**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 86.208, 135.585**, and **58, 84.923, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **77, 102.585, 135.545**, and if you desaturate by 10%, it is **78, 88.540, 136.440**.

Distribution



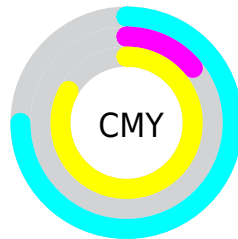
- Red (25%)
- Green (85%)
- Blue (17%)



- Red (17%)
- Yellow (85%)
- Blue (78%)



- Cyan (71%)
- Magenta (0%)
- Yellow (80%)
- Black (14%)




- Cyan (75%)
- Magenta (14%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 96.843, 135.834 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, 96.843, 135.834 by changing the saturation by 10% instead.

 77, 96.843,
135.834


 77, 96.843,
135.834


 100, 96.843,
135.834


 67, 96.843,
135.834


 97, 96.843,
135.834

 57, 96.843,
135.834

 47, 96.843,
135.834

 37, 96.843,
135.834

 27, 96.843,
135.834

 17, 96.843,
135.834

 7, 96.843, 135.834

0, 96.843, 135.834

77, 96.843,
135.834

77, 96.843,
135.834

77, 102.585,
135.545

78, 88.540,
136.440

76, 105.755,
135.557

78, 78.210,
137.230

76, 105.833,
135.555

79, 66.426,
138.081

81, 53.681,
138.913

82, 40.363,
139.680

83, 26.768,
140.365

■ 85, 13.119,
140.968

■ 87, 0.421, 320.871

■ 89, 13.738,
321.878

Harmonies

Complementary

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



77, 96.843, 135.834



51, 96.010, 324.301

Rectangle

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



77, 96.843, 135.834



77, 96.843, 185.834



77, 96.843, 315.834



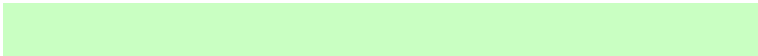
77, 96.843, 5.834

Sweetspot

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



77, 96.843, 135.835



95, 37.030, 140.066



79, 73.083, 96.484



50, 25.435, 139.816



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, 96.843, 135.835



88, 118.069, 135.570



77, 76.853, 147.965



45, 7.711, 140.983



62, 89.026, 135.463



15, 32.719, 138.157

Inverse Universe

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



51, 96.010, 324.301



56, 115.680, 324.035



51, 74.605, 346.824



43, 7.738, 321.880



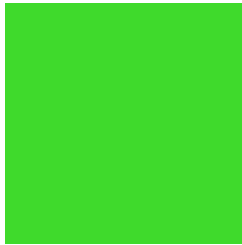
38, 87.209, 324.016



6, 34.094, 324.375

Previews

White Background



This preview shows how the CIELCh color 77, 96.843, 135.834 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, 96.843, 135.834 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, 96.843, 135.834

Background



This preview shows how black text looks on a background with the CIELCh color 77, 96.843, 135.834.

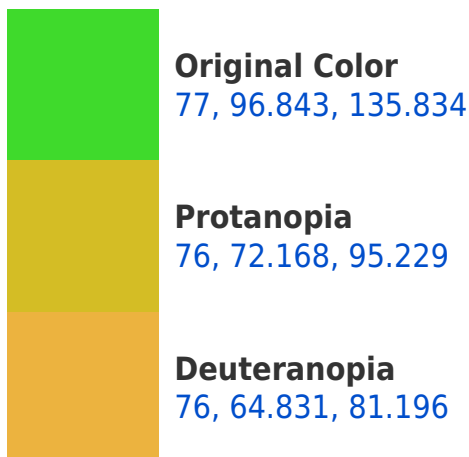


This preview shows how white text looks on a background with the CIELCh color 77, 96.843, 135.834.

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, 29.303, 215.869

Trichromacy



Original Color
77, 96.843, 135.834



Protanomaly
75, 76.738, 116.810



Deuteranomaly
74, 67.501, 111.247



Tritanomaly
76, 48.492, 160.162

Monochromacy



Original Color
77, 96.843, 135.834



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 40.735, 139.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 96.843, 135.834 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(63, 218, 44)` looks like.

```
.text, #text, p{  
    color:rgb(63, 218, 44)  
}
```

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(63, 218, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 218, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 96.843, 135.834 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(63, 218, 44) }
```

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

```
.border{ border-color:rgb(63, 218, 44) }
```

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

Here you see how a box with a 4 pixel rgb(63, 218, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 218, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 218, 44);  
box-shadow:4px 4px 4px 4px rgb(63, 218,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 96.843, 135.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 218, 44) }
```

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

```
.background{ background-color: rgb(63, 218,  
44) }
```

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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