

Converting Colors

CIELCh(75, 78.084, 123.927)

Have a look what the booklet for
CIELCh(75, 78.084, 123.927)
contains.

CIELCh(75, 78.006, 123.859)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(75, 78.006, 123.859)

Conversions

Conversions Part 1

Format	Color
Hex	89CB32
RGB	137, 203, 50
RGB Percent	54%, 80%, 20%
CMY	0.4626, 0.2038, 0.8038
CMYK	0.33, 0.00, 0.75, 0.20
HSL	86°, 60%, 50%
HSV	86°, 75%, 80%
XYZ	32.2615, 48.2781, 10.6396
YIQ	165.8240, 9.7770, -61.5750

Conversions

Conversions Part 2

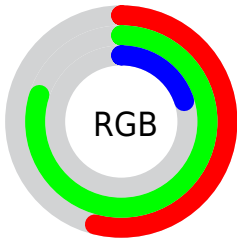
Format	Color
RYB	50, 203, 116
Decimal	9030450
CIELab	75.00, -43.46, 64.78
CIELCh	75, 78.006, 123.859
Yxy	48.2781, 0.3538, 0.5295
Android (android.graphics.Color)	4287220530 (0xFF89CB32)
YUV	165.8240, -57.1012, -25.2786
Hunter-Lab	69.4824, -38.7148, 39.5589

Details

The CIELCh color **75, 78.006, 123.859** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **38, 89.639, 310.787**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **94, 75.405, 122.951**, and **55, 71.569, 126.349** is the 20% darker color. If you saturate the color by 10%, you get **74, 84.289, 124.282**, and if you desaturate by 10%, it is **76, 69.939, 123.825**.

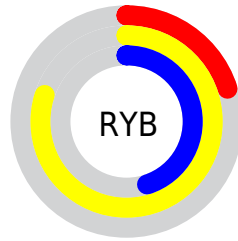
Distribution



Red (54%)

Green (80%)

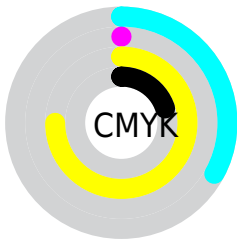
Blue (20%)



Red (20%)

Yellow (80%)

Blue (45%)

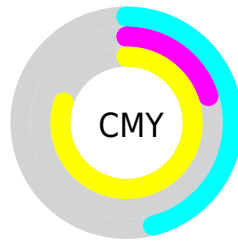


Cyan (33%)

Magenta (0%)

Yellow (75%)

Black (20%)



Cyan (46%)


Magenta (20%)


Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 78.006, 123.859 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 75, 78.006, 123.859 by changing the saturation by 10% instead.


 75, 78.006,
123.859


 75, 78.006,
123.859


 100, 78.006,
123.859


 65, 78.006,
123.859


 95, 78.006,
123.859

 55, 78.006,
123.859

 45, 78.006,
123.859

 35, 78.006,
123.859

 25, 78.006,
123.859

 15, 78.006,
123.859

 5, 78.006, 123.859

■ 0, 78.006, 123.859

■ 75, 78.006,
123.859

■ 75, 78.006,
123.859

■ 74, 84.289,
124.282

■ 76, 69.939,
123.825

■ 74, 88.444,
125.190

■ 76, 60.577,
124.053

■ 74, 89.912,
125.697

■ 77, 50.356,
124.438

■ 78, 39.598,
124.905

■ 79, 28.529,
125.406

■ 80, 17.302,
125.909

■ 81, 6.024, 126.404

■ 82, 5.232, 306.827

■ 84, 16.414,
307.264

Harmonies

Complementary

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



75, 78.006, 123.859



38, 89.639, 310.787

Rectangle

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



75, 78.006, 123.859



75, 78.006, 173.859



75, 78.006, 303.859



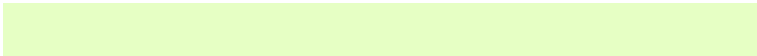
75, 78.006, 353.859

Sweetspot

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



75, 78.006, 123.860



97, 31.154, 125.509



57, 57.584, 58.248



51, 21.540, 125.324



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 78.006, 123.860



91, 103.278, 124.751



72, 88.793, 136.484



43, 6.414, 126.204



61, 77.168, 125.458



13, 23.957, 127.787

Inverse Universe

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



38, 89.639, 310.787



42, 121.662, 310.776



49, 87.905, 325.147



40, 6.513, 307.081



24, 91.628, 310.540



2, 24.254, 304.194

Previews

White Background



This preview shows how the CIELCh color 75, 78.006, 123.859 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 75, 78.006, 123.859 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 75, 78.006, 123.859

Background



This preview shows how black text looks on a background with the CIELCh color 75, 78.006, 123.859.

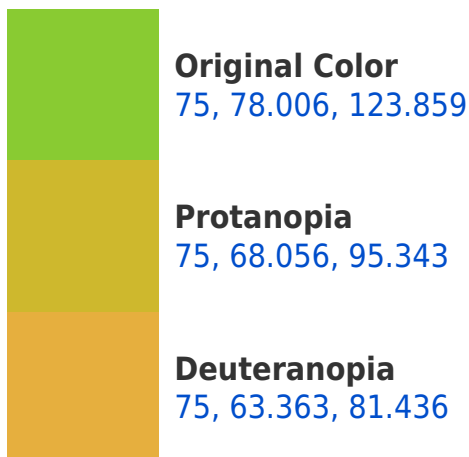


This preview shows how white text looks on a background with the CIELCh color 75, 78.006, 123.859.

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
75, 13.377, 236.227

Trichromacy



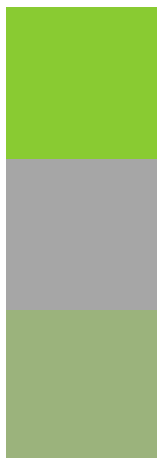
Original Color
75, 78.006, 123.859

Protanomaly
74, 69.298, 107.260

Deuteranomaly
74, 63.327, 99.648

Tritanomaly
74, 29.933, 141.815

Monochromacy



Original Color
75, 78.006, 123.859

Achromatopsia
68, 0.008, 296.813

Achromatomaly
70, 31.180, 125.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 78.006, 123.859 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(137, 203, 50)` looks like.

```
.text, #text, p{  
    color:rgb(137, 203, 50)  
}
```

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(137, 203, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 203, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 78.006, 123.859 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(137, 203, 50) }
```

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

```
.border{ border-color:rgb(137, 203, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 203, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 203, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 203, 50);  
box-shadow:4px 4px 4px 4px rgb(137, 203,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 78.006, 123.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 203, 50) }
```

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

```
.background{ background-color: rgb(137,  
203, 50) }
```

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