

Converting Colors

CIELCh(75, 78.835, 125.197)

Have a look what the booklet for
CIELCh(75, 78.835, 125.197)
contains.

CIELCh(75, 78.921, 125.309)	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, 78.921, 125.309)

Conversions

Conversions Part 1

Format	Color
Hex	84CC33
RGB	132, 204, 51
RGB Percent	52%, 80%, 20%
CMY	0.4827, 0.2003, 0.8004
CMYK	0.35, 0.00, 0.75, 0.20
HSL	88°, 60%, 50%
HSV	88°, 75%, 80%
XYZ	31.6674, 48.2781, 10.7696
YIQ	165.0300, 6.2010, -62.8470

Conversions

Conversions Part 2

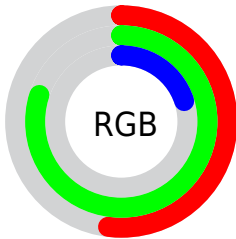
Format	Color
RYB	51, 204, 123
Decimal	8703027
CIELab	75.00, -45.62, 64.40
CIElCh	75, 78.921, 125.309
Yxy	48.2781, 0.3491, 0.5322
Android (android.graphics.Color)	4286893107 (0xFF84CC33)
YUV	165.0300, -56.2168, -28.9673
Hunter-Lab	69.4824, -40.2409, 39.4479

Details

The CIELCh color **75, 78.921, 125.309** 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 **39, 89.349, 311.769**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 75.671, 124.369**, and **55, 72.798, 127.654** is the 20% darker color. If you saturate the color by 10%, you get **74, 85.412, 125.716**, and if you desaturate by 10%, it is **76, 70.653, 125.288**.

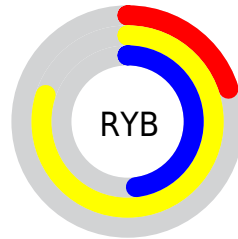
Distribution



Red (52%)

Green (80%)

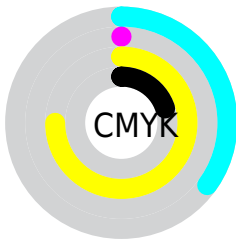
Blue (20%)



Red (20%)

Yellow (80%)

Blue (48%)

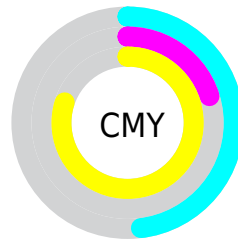


Cyan (35%)

Magenta (0%)

Yellow (75%)

Black (20%)



Cyan (48%)


Magenta (20%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 78.921, 125.309 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, 78.921, 125.309 by changing the saturation by 10% instead.


 75, 78.921,
125.309


 75, 78.921,
125.309


 100, 78.921,
125.309


 65, 78.921,
125.309


 95, 78.921,
125.309

 55, 78.921,
125.309

 45, 78.921,
125.309

 35, 78.921,
125.309

 25, 78.921,
125.309

 15, 78.921,
125.309

 5, 78.921, 125.309

0, 78.921, 125.309

75, 78.921,
125.309

75, 78.921,
125.309

74, 85.412,
125.716

76, 70.653,
125.288

74, 89.767,
126.608

76, 61.099,
125.523

74, 91.391,
127.148

77, 50.695,
125.909

78, 39.764,
126.371

79, 28.531,
126.862

80, 17.151,
127.351

■ 81, 5.732, 127.830

■ 83, 5.651, 308.228

■ 84, 16.946,
308.643

Harmonies

Complementary

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



75, 78.921, 125.309



39, 89.349, 311.769

Rectangle

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



75, 78.921, 125.309



75, 78.921, 175.309



75, 78.921, 305.309



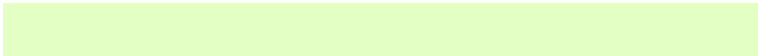
75, 78.921, 355.309

Sweetspot

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



75, 78.921, 125.310



97, 31.436, 126.947



59, 57.011, 62.713



51, 21.739, 126.767



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, 78.921, 125.310



91, 104.559, 126.203



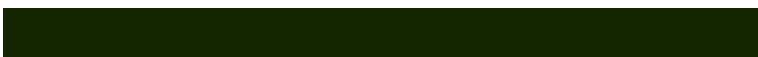
72, 89.684, 137.191



42, 6.468, 127.621



61, 78.169, 126.903



13, 24.283, 129.343

Inverse Universe

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



39, 89.349, 311.769



43, 120.824, 311.633



50, 88.122, 326.793



40, 6.561, 308.457



25, 90.877, 311.340



2, 24.409, 305.566

Previews

White Background



This preview shows how the CIELCh color 75, 78.921, 125.309 looks on a white background.

Color Contrast Check

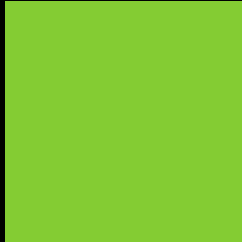
Large Text (above 18pt) WCAG AA × Fail

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, 78.921, 125.309 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, 78.921, 125.309

Background



This preview shows how black text looks on a background with the CIELCh color 75, 78.921, 125.309.

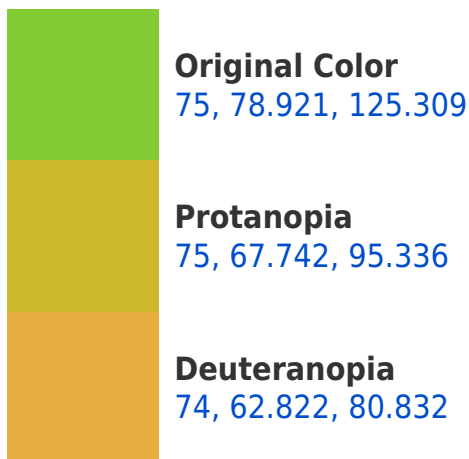


This preview shows how white text looks on a background with the CIELCh color 75, 78.921, 125.309.

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, 14.923, 231.677

Trichromacy



Original Color
75, 78.921, 125.309

Protanomaly
74, 69.050, 108.022

Deuteranomaly
74, 62.878, 100.465

Tritanomaly
74, 31.205, 144.916

Monochromacy



Original Color
75, 78.921, 125.309

Achromatopsia
68, 0.008, 296.813

Achromatomaly
70, 31.453, 126.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 78.921, 125.309 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(132, 204, 51)` looks like.

```
.text, #text, p{  
    color:rgb(132, 204, 51)  
}
```

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(132, 204, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 204, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 78.921, 125.309 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(132, 204, 51) }
```

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

```
.border{ border-color:rgb(132, 204, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 204, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 204, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 204, 51);  
box-shadow:4px 4px 4px 4px rgb(132, 204,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 78.921, 125.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 204, 51) }
```

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

```
.background{ background-color: rgb(132,  
204, 51) }
```

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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