

Converting Colors

CIELCh(75, 82.436, 114.574)

Have a look what the booklet for
CIELCh(75, 82.436, 114.574)
contains.

CIELCh(75, 82.456, 114.539)	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, 82.456, 114.539)

Conversions

Conversions Part 1

Format	Color
Hex	A0C700
RGB	160, 199, 0
RGB Percent	63%, 78%, 0%
CMY	0.3729, 0.2199, 1.0000
CMYK	0.20, 0.00, 1.00, 0.22
HSL	72°, 100%, 39%
HSV	72°, 100%, 78%
XYZ	34.8871, 48.2781, 7.4736
YIQ	164.6530, 40.6350, -70.1570

Conversions

Conversions Part 2

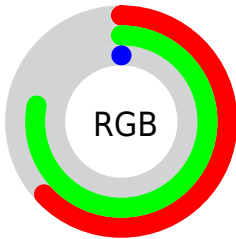
Format	Color
RYB	0, 199, 39
Decimal	10536704
CIELab	75.00, -34.25, 75.01
CIElCh	75, 82.456, 114.539
Yxy	48.2781, 0.3849, 0.5326
Android (android.graphics.Color)	4288726784 (0xFFA0C700)
YUV	164.6530, -81.1739, -4.0807
Hunter-Lab	69.4824, -31.9697, 42.2604

Details

The CIELCh color **75, 82.456, 114.539** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **25, 109.433, 307.192**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **95, 82.219, 114.270**, and **55, 66.800, 119.103** is the 20% darker color. If you saturate the color by 10%, you get **75, 82.436, 114.545**, and if you desaturate by 10%, it is **75, 79.868, 113.911**.

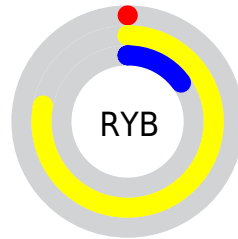
Distribution



Red (63%)

Green (78%)

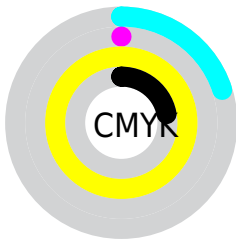
Blue (0%)



Red (0%)

Yellow (78%)

Blue (15%)

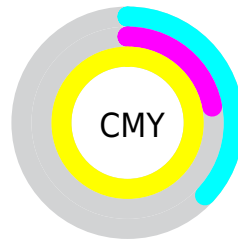


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (37%)


Magenta (22%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 82.456, 114.539 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, 82.456, 114.539 by changing the saturation by 10% instead.


 75, 82.456,
114.539


 75, 82.456,
114.539


 100, 82.456,
114.539


 65, 82.456,
114.539


 95, 82.456,
114.539

 55, 82.456,
114.539

 45, 82.456,
114.539

 35, 82.456,
114.539

 25, 82.456,
114.539

 15, 82.456,
114.539

 5, 82.456, 114.539

■ 0, 82.456, 114.539

■ 75, 82.456,
114.539

■ 75, 82.456,
114.539

■ 75, 82.436,
114.545

■ 75, 79.868,
113.911

■ 76, 75.400,
113.620

■ 76, 68.927,
113.680

■ 76, 60.902,
114.005

■ 77, 51.802,
114.506

■ 77, 42.005,
115.116

■ 78, 31.776,
115.783

■ 79, 21.292,
116.474

■ 79, 10.670,
117.167

Harmonies

Complementary

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



75, 82.456, 114.539



25, 109.433, 307.192

Rectangle

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



75, 82.456, 114.539



75, 82.456, 164.539



75, 82.456, 294.539



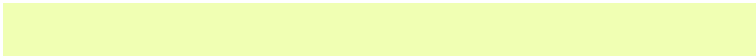
75, 82.456, 344.539

Sweetspot

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



75, 82.436, 114.545



97, 38.860, 115.753



43, 83.006, 42.896



52, 26.426, 115.463



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, 82.436, 114.545



94, 99.453, 114.704



71, 95.417, 132.903



42, 6.050, 117.209



63, 71.125, 114.391



13, 20.768, 117.355

Inverse Universe

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



25, 109.433, 307.192



34, 132.116, 307.099



37, 99.668, 316.793



39, 6.176, 298.512



20, 94.345, 307.288



2, 21.660, 296.900

Previews

White Background



This preview shows how the CIELCh color 75, 82.456, 114.539 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, 82.456, 114.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

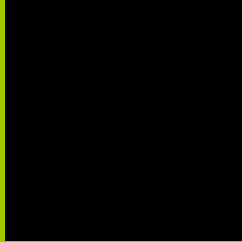
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 82.456, 114.539

Background



This preview shows how black text looks on a background with the CIELCh color 75, 82.456, 114.539.



This preview shows how white text looks on a background with the CIELCh color 75, 82.456, 114.539.

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



Original Color

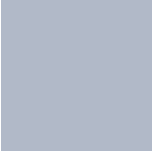
75, 82.456, 114.539

Protanopia

75, 76.898, 95.126

Deuteranopia

75, 72.194, 82.529



Tritanopia
75, 8.526, 271.507

Trichromacy



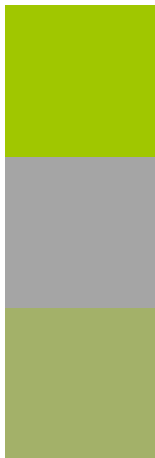
Original Color
75, 82.456, 114.539

Protanomaly
75, 77.674, 102.524

Deuteranomaly
74, 73.563, 95.412

Tritanomaly
74, 34.301, 119.956

Monochromacy



Original Color
75, 82.456, 114.539

Achromatopsia
68, 0.008, 296.813

Achromatomaly
70, 38.820, 115.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 82.456, 114.539 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(160, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 199, 0)  
}
```

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(160, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 199, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 82.456, 114.539 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(160, 199, 0) }
```

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

```
.border{ border-color:rgb(160, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 199,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 82.456, 114.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 199, 0) }
```

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

```
.background{ background-color: rgb(160,  
199, 0) }
```

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