

Converting Colors

CIELCh(77, 85.160, 116.697)

Have a look what the booklet for
CIELCh(77, 85.160, 116.697)
contains.

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Color

CIELCh(77, 85.046, 116.662)

Conversions

Conversions Part 1

Format	Color
Hex	9ECE05
RGB	158, 206, 5
RGB Percent	62%, 81%, 2%
CMY	0.3796, 0.1914, 0.9820
CMYK	0.23, 0.00, 0.98, 0.19
HSL	74°, 96%, 41%
HSV	74°, 98%, 81%
XYZ	36.2802, 51.5317, 8.1658
YIQ	168.7340, 35.9130, -72.6870

Conversions

Conversions Part 2

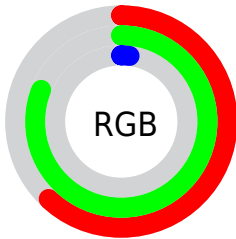
Format	Color
R_{YB}	5, 206, 53
Decimal	10407429
CIE _{Lab}	77.00, -38.16, 76.00
CIE _{LCh}	77, 85.046, 116.662
Yxy	51.5317, 0.3780, 0.5369
Android (android.graphics.Color)	4288597509 (0xFF9ECE05)
YUV	168.7340, -80.7209, -9.4137
Hunter-Lab	71.7856, -35.4115, 43.5055

Details

The CIELCh color **77, 85.046, 116.662** 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 **28, 110.656, 307.529**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 81.334, 115.014**, and **57, 69.696, 121.111** is the 20% darker color. If you saturate the color by 10%, you get **77, 85.595, 116.845**, and if you desaturate by 10%, it is **77, 82.024, 115.939**.

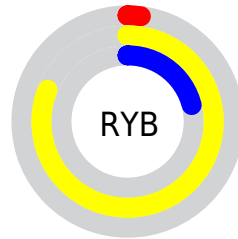
Distribution



Red (62%)

Green (81%)

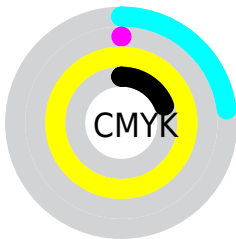
Blue (2%)



Red (2%)

Yellow (81%)

Blue (21%)

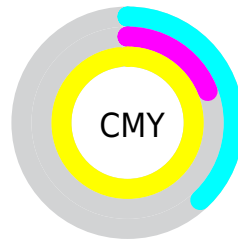


Cyan (23%)

Magenta (0%)

Yellow (98%)

Black (19%)



Cyan (38%)


Magenta (19%)

Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 85.046, 116.662 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, 85.046, 116.662 by changing the saturation by 10% instead.


 77, 85.046,
116.662

 77, 85.046,
116.662


 100, 85.046,
116.662

 67, 85.046,
116.662

 97, 85.046,
116.662

 57, 85.046,
116.662

 47, 85.046,
116.662

 37, 85.046,
116.662

 27, 85.046,
116.662

 17, 85.046,
116.662

 7, 85.046, 116.662

■ 0, 85.046, 116.662

■ 77, 85.046,
116.662

■ 77, 85.046,
116.662

■ 77, 85.595,
116.845

■ 77, 82.024,
115.939

■ 78, 76.848,
115.627

■ 78, 69.702,
115.677

■ 79, 61.076,
115.987

■ 79, 51.442,
116.467

■ 80, 41.164,
117.047

■ 81, 30.491,
117.677

■ 81, 19.592,
118.325

■ 82, 8.578, 118.970

Harmonies

Complementary

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



77, 85.046, 116.662



28, 110.656, 307.529

Rectangle

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



77, 85.046, 116.662



77, 85.046, 166.662



77, 85.046, 296.662



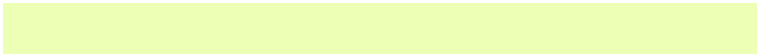
77, 85.046, 346.662

Sweetspot

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



77, 85.046, 116.664



97, 37.799, 117.575



46, 81.973, 44.389



52, 25.859, 117.301



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, 85.046, 116.664



93, 100.542, 117.000



73, 98.386, 133.696



43, 6.208, 118.867



63, 72.698, 116.652



14, 22.597, 118.785

Inverse Universe

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



28, 110.656, 307.529



34, 131.408, 307.464



40, 100.797, 318.499



40, 6.333, 300.075



21, 94.900, 307.674



2, 23.778, 298.558

Previews

White Background



This preview shows how the CIELCh color 77, 85.046, 116.662 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, 85.046, 116.662 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, 85.046, 116.662

Background



This preview shows how black text looks on a background with the CIELCh color 77, 85.046, 116.662.

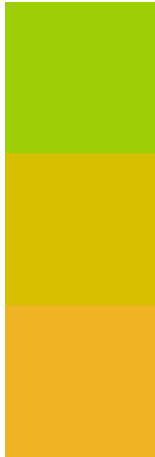


This preview shows how white text looks on a background with the CIELCh color 77, 85.046, 116.662.

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](#).

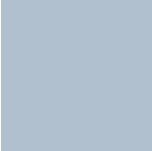
Dichromacy



Original Color
77, 84.953, 116.684

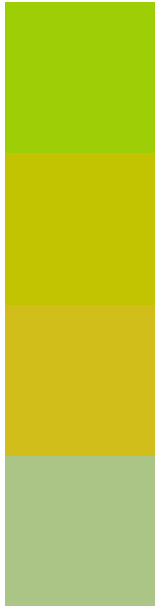
Protanopia
77, 78.468, 94.989

Deuteranopia
77, 73.632, 82.341



Tritanopia
77, 9.683, 255.703

Trichromacy



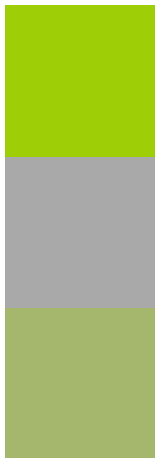
Original Color
77, 84.953, 116.684

Protanomaly
77, 79.305, 103.506

Deuteranomaly
76, 74.813, 96.314

Tritanomaly
76, 35.488, 124.692

Monochromacy



Original Color
77, 84.953, 116.684

Achromatopsia
69, 0.009, 296.813

Achromatomaly
72, 39.932, 117.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 85.046, 116.662 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(158, 206, 5)` looks like.

```
.text, #text, p{  
    color:rgb(158, 206, 5)  
}
```

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(158, 206, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 206, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 85.046, 116.662 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(158, 206, 5) }
```

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

```
.border{ border-color:rgb(158, 206, 5) }
```

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

Here you see how a box with a 4 pixel rgb(158, 206, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 206, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 206, 5);  
box-shadow:4px 4px 4px 4px rgb(158, 206,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 85.046, 116.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 206, 5) }
```

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

```
.background{ background-color: rgb(158,  
206, 5) }
```

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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