

Converting Colors

CIELCh(77, 95.079, 116.816)

Have a look what the booklet for
CIELCh(77, 95.079, 116.816)
contains.

CIELCh(77, 87.039, 118.708)	3
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Color

CIELCh(77, 87.039, 118.708)

Conversions

Conversions Part 1

Format	Color
Hex	97D000
RGB	151, 208, 0
RGB Percent	59%, 82%, 0%
CMY	0.4089, 0.1853, 1.0000
CMYK	0.27, 0.00, 1.00, 0.19
HSL	76°, 100%, 41%
HSV	76°, 100%, 81%
XYZ	35.1969, 51.5317, 8.0683
YIQ	167.2450, 32.7960, -76.7720

Conversions

Conversions Part 2

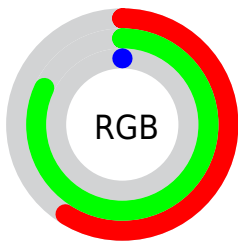
Format	Color
RYB	0, 208, 57
Decimal	9949184
CIELab	77.00, -41.81, 76.34
CIElCh	77, 87.039, 118.708
Yxy	51.5317, 0.3713, 0.5436
Android (android.graphics.Color)	4288139264 (0xFF97D000)
YUV	167.2450, -82.4518, -14.2469
Hunter-Lab	71.7856, -38.1052, 43.5861

Details

The CIELCh color **77, 87.039, 118.708** 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, 111.833, 307.943**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 82.312, 116.809**, and **57, 71.764, 123.787** is the 20% darker color. If you saturate the color by 10%, you get **77, 86.966, 118.728**, and if you desaturate by 10%, it is **77, 84.107, 117.853**.

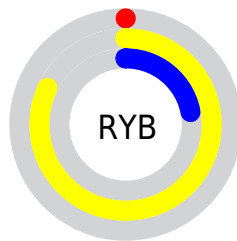
Distribution



Red (59%)

Green (82%)

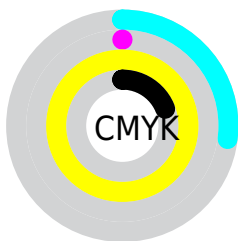
Blue (0%)



Red (0%)

Yellow (82%)

Blue (22%)

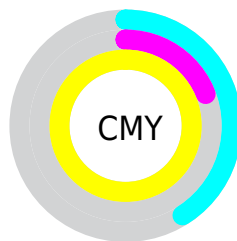


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (41%)

Magenta (19%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 87.039, 118.708 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, 87.039, 118.708 by changing the saturation by 10% instead.

■ 77, 87.039,
118.708

■ 77, 87.039,
118.708

■ 100, 87.039,
118.708

■ 67, 87.039,
118.708

■ 97, 87.039,
118.708

■ 57, 87.039,
118.708

■ 47, 87.039,
118.708

■ 37, 87.039,
118.708

■ 27, 87.039,
118.708

■ 17, 87.039,
118.708

■ 7, 87.039, 118.708

■ 0, 87.039, 118.708

■ 77, 87.039,
118.708

■ 77, 87.039,
118.708

■ 77, 86.966,
118.728

■ 77, 84.107,
117.853

■ 78, 79.279,
117.370

■ 78, 72.390,
117.288

■ 79, 63.906,
117.504

■ 79, 54.319,
117.914

■ 80, 44.019,
118.440

■ 81, 33.280,
119.027

■ 82, 22.287,
119.638

■ 82, 11.162,
120.249

Harmonies

Complementary

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



77, 87.039, 118.708



28, 111.833, 307.943

Rectangle

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



77, 87.039, 118.708



77, 87.039, 168.708



77, 87.039, 298.708



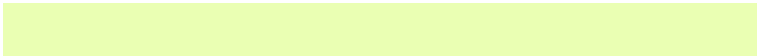
77, 87.039, 348.708

Sweetspot

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



77, 86.966, 118.728



97, 39.295, 119.006



47, 82.666, 45.686



51, 26.729, 118.751



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, 86.966, 118.728



93, 101.600, 118.892



73, 100.306, 134.306



44, 6.367, 120.285



64, 74.270, 118.525



15, 24.392, 119.941

Inverse Universe

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



28, 111.833, 307.943



35, 130.703, 307.845



41, 101.450, 319.490



41, 6.491, 301.418



22, 95.455, 308.069



2, 25.916, 300.138

Previews

White Background



This preview shows how the CIELCh color 77, 87.039, 118.708 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 CIE LCh color 77, 87.039, 118.708 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, 87.039, 118.708

Background



This preview shows how black text looks on a background with the CIELCh color 77, 87.039, 118.708.



This preview shows how white text looks on a background with the CIELCh color 77, 87.039, 118.708.

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, 87.039, 118.708

Protanopia

77, 78.468, 94.989

Deuteranopia

77, 73.367, 82.293



Tritanopia
77, 11.148, 245.488

Trichromacy



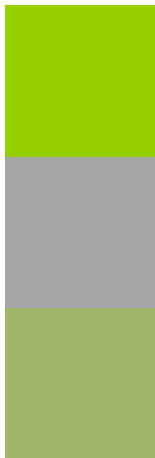
Original Color
77, 87.039, 118.708

Protanomaly
76, 79.544, 104.438

Deuteranomaly
76, 74.838, 97.333

Tritanomaly
76, 37.545, 128.588

Monochromacy



Original Color
77, 87.039, 118.708

Achromatopsia
68, 0.008, 296.813

Achromatomaly
71, 41.220, 118.440

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 87.039, 118.708 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(151, 208, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 208, 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(151, 208, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 208, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 87.039, 118.708 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(151, 208, 0) }
```

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

```
.border{ border-color:rgb(151, 208, 0) }
```

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

Here you see how a box with a 4 pixel rgb(151, 208, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 208, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 208, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 208,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 87.039, 118.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 208, 0) }
```

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

```
.background{ background-color: rgb(151,  
208, 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](#).

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