

Converting Colors

CIELCh(77, 86.446, 121.325)

Have a look what the booklet for
CIELCh(77, 86.446, 121.325)
contains.

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Color

CIELCh(77, 86.445, 121.321)

Conversions

Conversions Part 1

Format	Color
Hex	8FD114
RGB	143, 209, 20
RGB Percent	56%, 82%, 8%
CMY	0.4389, 0.1801, 0.9209
CMYK	0.32, 0.00, 0.90, 0.18
HSL	81°, 82%, 45%
HSV	81°, 90%, 82%
XYZ	34.2850, 51.5317, 8.8081
YIQ	167.7200, 21.3330, -72.7710

Conversions

Conversions Part 2

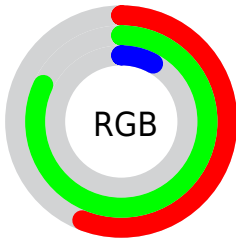
Format	Color
R _Y B	20, 209, 86
Decimal	9425172
CIE Lab	77.00, -44.94, 73.85
CIE LCh	77, 86.445, 121.321
Yxy	51.5317, 0.3623, 0.5446
Android (android.graphics.Color)	4287615252 (0xFF8FD114)
YUV	167.7200, -72.8260, -21.6794
Hunter-Lab	71.7856, -40.3727, 42.9750

Details

The CIELCh color **77, 86.445, 121.321** 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 **32, 105.793, 309.198**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 81.009, 119.382**, and **57, 73.444, 125.987** is the 20% darker color. If you saturate the color by 10%, you get **77, 89.456, 122.307**, and if you desaturate by 10%, it is **77, 81.407, 120.708**.

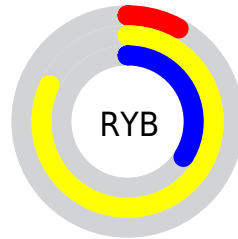
Distribution



Red (56%)

Green (82%)

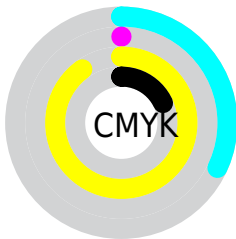
Blue (8%)



Red (8%)

Yellow (82%)

Blue (34%)

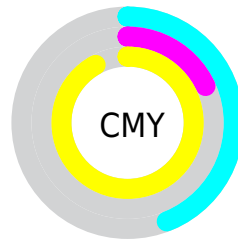


Cyan (32%)

Magenta (0%)

Yellow (90%)

Black (18%)



Cyan (44%)


Magenta (18%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 86.445, 121.321 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, 86.445, 121.321 by changing the saturation by 10% instead.


 77, 86.445,
121.321


 77, 86.445,
121.321


 100, 86.445,
121.321


 67, 86.445,
121.321


 97, 86.445,
121.321

 57, 86.445,
121.321

 47, 86.445,
121.321

 37, 86.445,
121.321

 27, 86.445,
121.321

 17, 86.445,
121.321

 7, 86.445, 121.321

■ 0, 86.445, 121.321

■ 77, 86.445,
121.321

■ 77, 86.445,
121.321

■ 77, 89.456,
122.307

■ 77, 81.407,
120.708

■ 78, 74.307,
120.527

■ 79, 65.606,
120.666

■ 79, 55.796,
121.011

■ 80, 45.270,
121.478

■ 81, 34.307,
122.006

■ 82, 23.095,
122.556

■ 83, 11.763,
123.104

■ 84, 0.397, 123.797

Harmonies

Complementary

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



77, 86.445, 121.321



32, 105.793, 309.198

Rectangle

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



77, 86.445, 121.321



77, 86.445, 171.321



77, 86.445, 301.321



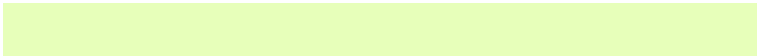
77, 86.445, 351.321

Sweetspot

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



77, 86.445, 121.322



97, 35.901, 122.172



52, 73.698, 50.207



51, 24.149, 121.984



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, 86.445, 121.322



92, 104.044, 122.486



74, 98.623, 134.871



44, 6.444, 123.155



63, 75.989, 122.070



14, 24.912, 123.491

Inverse Universe

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



32, 105.793, 309.198



37, 129.018, 308.832



45, 98.341, 322.208



41, 6.558, 304.151



23, 94.207, 309.095



2, 26.107, 302.273

Previews

White Background



This preview shows how the CIELCh color 77, 86.445, 121.321 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, 86.445, 121.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

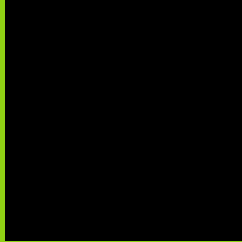
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 86.445, 121.321

Background



This preview shows how black text looks on a background with the CIELCh color 77, 86.445, 121.321.



This preview shows how white text looks on a background with the CIELCh color 77, 86.445, 121.321.

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, 86.445, 121.321

Protanopia
77, 77.442, 94.982

Deuteranopia
77, 71.774, 82.354



Tritanopia
77, 13.137, 239.910

Trichromacy



Original Color
77, 86.445, 121.321

Protanomaly
76, 78.500, 105.857

Deuteranomaly
76, 72.754, 99.140

Tritanomaly
76, 35.077, 135.599

Monochromacy



Original Color
77, 86.445, 121.321

Achromatopsia
69, 0.009, 296.813

Achromatomaly
71, 38.040, 121.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 86.445, 121.321 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(143, 209, 20)` looks like.

```
.text, #text, p{  
    color:rgb(143, 209, 20)  
}
```

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(143, 209, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 209, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 86.445, 121.321 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(143, 209, 20) }
```

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

```
.border{ border-color:rgb(143, 209, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 209, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 209, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 209, 20);  
box-shadow:4px 4px 4px 4px rgb(143, 209,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 86.445, 121.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 209, 20) }
```

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

```
.background{ background-color: rgb(143,  
209, 20) }
```

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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