

Converting Colors

CIELCh(84, 100.776, 128.272)

Have a look what the booklet for
CIELCh(84, 100.776, 128.272)
contains.

CIELCh(84, 100.800, 128.281)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(84, 100.800, 128.281)

Conversions

Conversions Part 1

Format	Color
Hex	7AEC15
RGB	122, 236, 21
RGB Percent	48%, 93%, 8%
CMY	0.5223, 0.0752, 0.9191
CMYK	0.48, 0.00, 0.91, 0.08
HSL	92°, 85%, 50%
HSV	92°, 91%, 92%
XYZ	38.0757, 64.0658, 11.0495
YIQ	177.4040, 1.0710, -91.0330

Conversions

Conversions Part 2

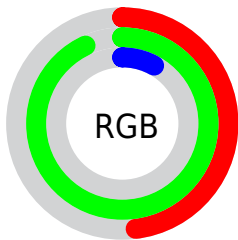
Format	Color
R _Y B	21, 236, 135
Decimal	8055829
CIE Lab	84.00, -62.45, 79.13
CIE LCh	84, 100.800, 128.281
Yxy	64.0658, 0.3364, 0.5660
Android (android.graphics.Color)	4286245909 (0xFF7AEC15)
YUV	177.4040, -77.1072, -48.5893
Hunter-Lab	80.0411, -55.1590, 47.8439

Details

The CIELCh color **84, 100.800, 128.281** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **41, 113.201, 312.999**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 81.573, 124.550**, and **64, 88.405, 133.090** is the 20% darker color. If you saturate the color by 10%, you get **84, 104.072, 129.246**, and if you desaturate by 10%, it is **85, 94.973, 127.573**.

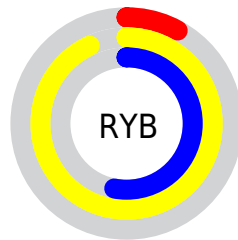
Distribution



Red (48%)

Green (93%)

Blue (8%)



Red (8%)

Yellow (93%)

Blue (53%)

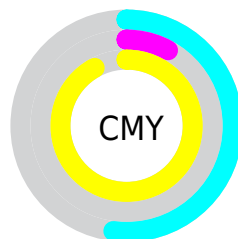


Cyan (48%)

Magenta (0%)

Yellow (91%)

Black (8%)



Cyan (52%)


Magenta (8%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 100.800, 128.281 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 84, 100.800, 128.281 by changing the saturation by 10% instead.


 84, 100.800,
128.281


 84, 100.800,
128.281


 100, 100.800,
128.281


 74, 100.800,
128.281


 64, 100.800,
128.281

 54, 100.800,
128.281

 44, 100.800,
128.281

 34, 100.800,
128.281

 24, 100.800,
128.281

 14, 100.800,

128.281

■ 4, 100.800,
128.281

■ 0, 100.800,
128.281

■ 84, 100.800,
128.281

■ 84, 100.800,
128.281

■ 84, 104.072,
129.246

■ 85, 94.973,
127.573

■ 85, 86.792,
127.329

■ 86, 76.755,
127.429

■ 87, 65.425,
127.744

■ 88, 53.262,
128.175

■ 89, 40.600,
128.655

■ 90, 27.673,
129.144

■ 92, 14.642,
129.620

■ 93, 1.619, 130.139

Harmonies

Complementary

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



84, 100.800, 128.281



41, 113.201, 312.999

Rectangle

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



84, 100.800, 128.281



84, 100.800, 178.281



84, 100.800, 308.281



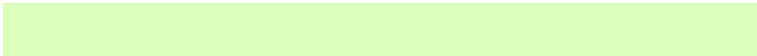
84, 100.800, 358.281

Sweetspot

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



84, 100.800, 128.282



96, 37.419, 128.859



65, 75.926, 63.826



51, 25.187, 128.690



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 100.800, 128.282



90, 110.492, 129.314



82, 110.336, 136.467



49, 7.356, 129.703



66, 85.139, 128.972



19, 34.036, 128.263

Inverse Universe

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



41, 113.201, 312.999



42, 124.235, 312.374



56, 105.861, 328.809



46, 7.451, 310.506



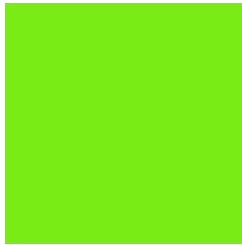
29, 95.859, 312.613



5, 37.827, 312.616

Previews

White Background



This preview shows how the CIELCh color 84, 100.800, 128.281 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 84, 100.800, 128.281 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

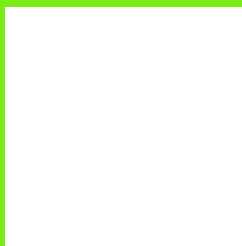
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 100.800, 128.281

Background



This preview shows how black text looks on a background with the CIELCh color 84, 100.800, 128.281.



This preview shows how white text looks on a background with the CIELCh color 84, 100.800, 128.281.

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


84, 100.800, 128.281

Protanopia

84, 84.246, 95.059

Deuteranopia

83, 59.148, 81.104



Tritanopia
84, 22.761, 222.983

Trichromacy



Original Color
84, 100.800, 128.281



Protanomaly
83, 86.599, 109.970



Deuteranomaly
82, 69.806, 105.818



Tritanomaly
83, 46.535, 147.579

Monochromacy



Original Color
84, 100.800, 128.281



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 44.156, 128.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 100.800, 128.281 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(122, 236, 21)` looks like.

```
.text, #text, p{  
    color:rgb(122, 236, 21)  
}
```

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(122, 236, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 236, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 100.800, 128.281 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(122, 236, 21) }
```

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

```
.border{ border-color:rgb(122, 236, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 236, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 236, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 236, 21);  
box-shadow:4px 4px 4px 4px rgb(122, 236,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 100.800, 128.281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 236, 21) }
```

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

```
.background{ background-color: rgb(122,  
236, 21) }
```

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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