

Converting Colors

CIELCh(80, 90.905, 125.328)

Have a look what the booklet for
CIELCh(80, 90.905, 125.328)
contains.

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Color

CIELCh(80, 91.144, 125.347)

Conversions

Conversions Part 1

Format	Color
Hex	86DD1F
RGB	134, 221, 31
RGB Percent	53%, 87%, 12%
CMY	0.4758, 0.1346, 0.8804
CMYK	0.39, 0.00, 0.86, 0.13
HSL	87°, 76%, 49%
HSV	87°, 86%, 87%
XYZ	35.7915, 56.6813, 10.3155
YIQ	173.3270, 9.1380, -77.5340

Conversions

Conversions Part 2

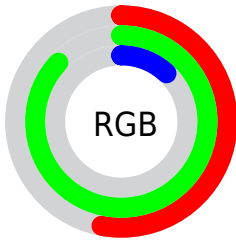
Format	Color
RYB	31, 221, 118
Decimal	8838431
CIELab	80.00, -52.73, 74.34
CIELCh	80, 91.144, 125.347
Yxy	56.6813, 0.3482, 0.5514
Android (android.graphics.Color)	4287028511 (0xFF86DD1F)
YUV	173.3270, -70.1672, -34.4898
Hunter-Lab	75.2870, -46.8930, 44.5772

Details

The CIELCh color **80, 91.144, 125.347** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **38, 105.490, 311.472**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 79.505, 122.350**, and **60, 79.930, 129.510** is the 20% darker color. If you saturate the color by 10%, you get **80, 95.382, 126.326**, and if you desaturate by 10%, it is **81, 84.600, 124.867**.

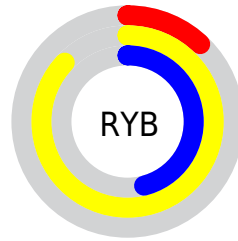
Distribution



Red (53%)

Green (87%)

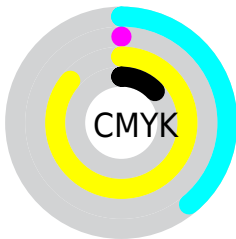
Blue (12%)



Red (12%)

Yellow (87%)

Blue (46%)

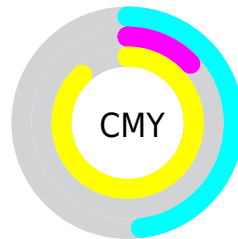


Cyan (39%)

Magenta (0%)

Yellow (86%)

Black (13%)



Cyan (48%)


Magenta (13%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 91.144, 125.347 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 80, 91.144, 125.347 by changing the saturation by 10% instead.


 80, 91.144,
125.347


 80, 91.144,
125.347


 100, 91.144,
125.347


 70, 91.144,
125.347

 60, 91.144,
125.347

 50, 91.144,
125.347

 40, 91.144,
125.347

 30, 91.144,
125.347

 20, 91.144,
125.347

 10, 91.144,

125.347

■ 0, 91.144, 125.347

■ 80, 91.144,
125.347

■ 80, 91.144,
125.347

■ 80, 95.382,
126.326

■ 81, 84.600,
124.867

■ 79, 96.629,
126.761

■ 81, 76.078,
124.793

■ 82, 66.103,
124.998

■ 83, 55.157,
125.369

■ 84, 43.605,
125.828

■ 85, 31.702,
126.322

■ 86, 19.620,
126.819

■ 87, 7.481, 127.305

■ 89, 4.632, 307.714

Harmonies

Complementary

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



80, 91.144, 125.347



38, 105.490, 311.472

Rectangle

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



80, 91.144, 125.347



80, 91.144, 175.347



80, 91.144, 305.347



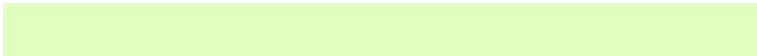
80, 91.144, 355.347

Sweetspot

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



80, 91.144, 125.348



96, 35.401, 126.321



60, 70.105, 59.421



51, 23.968, 126.147



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 91.144, 125.348



90, 107.908, 126.895



77, 102.605, 136.219



46, 6.845, 127.148



64, 80.515, 126.492



16, 28.910, 126.850

Inverse Universe

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



38, 105.490, 311.472



40, 126.210, 310.755



52, 100.177, 326.338



43, 6.947, 308.004



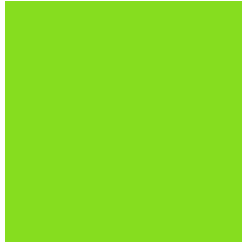
26, 94.255, 311.027



3, 30.939, 307.728

Previews

White Background



This preview shows how the CIELCh color 80, 91.144, 125.347 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 80, 91.144, 125.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

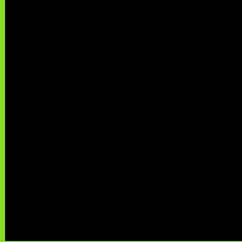
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 91.144, 125.347

Background



This preview shows how black text looks on a background with the CIELCh color 80, 91.144, 125.347.



This preview shows how white text looks on a background with the CIELCh color 80, 91.144, 125.347.

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](#).

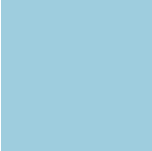
Dichromacy



Original Color
80, 91.144, 125.347

Protanopia
80, 78.184, 95.271

Deuteranopia
79, 72.207, 81.723



Tritanopia
80, 17.603, 229.654

Trichromacy



Original Color
80, 91.144, 125.347



Protanomaly
79, 79.788, 108.086



Deuteranomaly
79, 72.976, 101.089

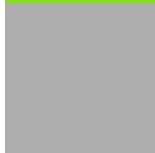


Tritanomaly
79, 38.948, 143.692

Monochromacy



Original Color
80, 91.144, 125.347



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 38.683, 125.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 91.144, 125.347 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(134, 221, 31)` looks like.

```
.text, #text, p{  
    color:rgb(134, 221, 31)  
}
```

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(134, 221, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 221, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 91.144, 125.347 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(134, 221, 31) }
```

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

```
.border{ border-color:rgb(134, 221, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 221, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 221, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 221, 31);  
box-shadow:4px 4px 4px 4px rgb(134, 221,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 91.144, 125.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 221, 31) }
```

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

```
.background{ background-color: rgb(134,  
221, 31) }
```

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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