

Converting Colors

CIELCh(82, 81.808, 116.086)

Have a look what the booklet for
CIELCh(82, 81.808, 116.086)
contains.

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Color

CIELCh(82, 81.808, 116.086)

Conversions

Conversions Part 1

Format	Color
Hex	B0DB2D
RGB	176, 219, 45
RGB Percent	69%, 86%, 18%
CMY	0.3085, 0.1399, 0.8219
CMYK	0.20, 0.00, 0.79, 0.14
HSL	75°, 71%, 52%
HSV	75°, 79%, 86%
XYZ	43.8812, 60.2982, 11.8510
YIQ	186.3070, 30.2260, -63.2300

Conversions

Conversions Part 2

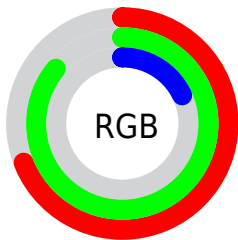
Format	Color
RYB	45, 219, 88
Decimal	11590445
CIELab	82.00, -35.97, 73.47
CIELCh	82, 81.808, 116.086
Yxy	60.2982, 0.3782, 0.5197
Android (android.graphics.Color)	4289780525 (0xFFB0DB2D)
YUV	186.3070, -69.6644, -9.0392
Hunter-Lab	77.6519, -35.0202, 45.3077

Details

The CIELCh color **82, 81.808, 116.086** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **36, 101.425, 307.063**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 72.126, 111.163**, and **62, 72.852, 118.495** is the 20% darker color. If you saturate the color by 10%, you get **82, 86.857, 116.498**, and if you desaturate by 10%, it is **82, 74.605, 116.064**.

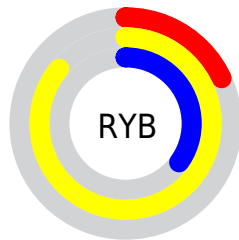
Distribution



Red (69%)

Green (86%)

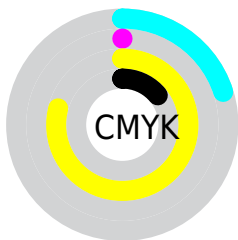
Blue (18%)



Red (18%)

Yellow (86%)

Blue (35%)

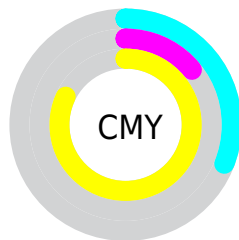


Cyan (20%)

Magenta (0%)

Yellow (79%)

Black (14%)



Cyan (31%)


Magenta (14%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 81.808, 116.086 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 82, 81.808, 116.086 by changing the saturation by 10% instead.


 82, 81.808,
116.086

 82, 81.808,
116.086


 100, 81.808,
116.086


 72, 81.808,
116.086

 62, 81.808,
116.086

 52, 81.808,
116.086

 42, 81.808,
116.086

 32, 81.808,
116.086

 22, 81.808,
116.086

 12, 81.808,

116.086

■ 2, 81.808, 116.086

■ 0, 81.808, 116.086

■ 82, 81.808,
116.086

■ 82, 81.808,
116.086

■ 82, 86.857,
116.498

■ 82, 74.605,
116.064

■ 81, 89.729,
117.312

■ 83, 65.747,
116.324

■ 81, 89.906,
117.374

■ 84, 55.747,
116.772

■ 84, 45.013,
117.331

■ 85, 33.827,

117.949

■ 86, 22.380,
118.589

■ 87, 10.796,
119.229

■ 88, 0.838, 299.810

■ 89, 12.464,
300.439

Harmonies

Complementary

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



82, 81.808, 116.086



36, 101.425, 307.063

Rectangle

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



82, 81.808, 116.086



82, 81.808, 166.086



82, 81.808, 296.086



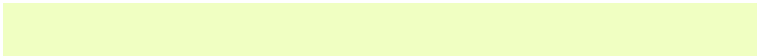
82, 81.808, 346.086

Sweetspot

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



82, 81.808, 116.088



98, 31.407, 118.273



54, 70.118, 44.281



52, 21.537, 118.044



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 81.808, 116.088



93, 99.582, 117.004



78, 93.564, 133.026



46, 6.597, 119.219



66, 75.363, 117.170



17, 27.255, 117.561

Inverse Universe

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



36, 101.425, 307.063



36, 128.718, 307.621



47, 96.674, 319.230



42, 6.729, 300.418



22, 98.024, 307.743



2, 30.031, 300.965

Previews

White Background



This preview shows how the CIELCh color 82, 81.808, 116.086 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 82, 81.808, 116.086 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 82, 81.808, 116.086

Background



This preview shows how black text looks on a background with the CIELCh color 82, 81.808, 116.086.



This preview shows how white text looks on a background with the CIELCh color 82, 81.808, 116.086.

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
82, 81.808, 116.086

Protanopia
82, 76.366, 95.130

Deuteranopia
82, 72.127, 81.651



Tritanopia
82, 9.101, 268.442

Trichromacy



Original Color
82, 81.808, 116.086

Protanomaly
82, 76.985, 103.409

Deuteranomaly
81, 72.105, 95.706

Tritanomaly
81, 29.082, 124.799

Monochromacy



Original Color
82, 81.808, 116.086

Achromatopsia
76, 0.009, 296.813

Achromatomaly
78, 33.771, 118.091

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 81.808, 116.086 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(176, 219, 45)` looks like.

```
.text, #text, p{  
    color:rgb(176, 219, 45)  
}
```

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(176, 219, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 219, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 81.808, 116.086 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(176, 219, 45) }
```

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

```
.border{ border-color:rgb(176, 219, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 219, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 219, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 219, 45);  
box-shadow:4px 4px 4px 4px rgb(176, 219,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 81.808, 116.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 219, 45) }
```

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

```
.background{ background-color: rgb(176,  
219, 45) }
```

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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