

Converting Colors

CIELCh(82, 80.250, 103.770)

Have a look what the booklet for
CIELCh(82, 80.250, 103.770)
contains.

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Color

CIELCh(82, 80.299, 103.776)

Conversions

Conversions Part 1

Format	Color
Hex	D1D31E
RGB	209, 211, 30
RGB Percent	82%, 83%, 12%
CMY	0.1800, 0.1722, 0.8817
CMYK	0.01, 0.00, 0.86, 0.17
HSL	61°, 75%, 47%
HSV	61°, 86%, 83%
XYZ	49.8757, 60.2982, 10.2484
YIQ	189.7680, 56.9090, -56.7150

Conversions

Conversions Part 2

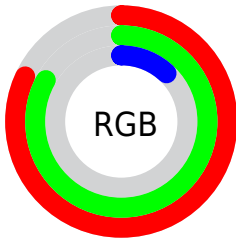
Format	Color
RYB	30, 211, 32
Decimal	13751070
CIELab	82.00, -19.12, 77.99
CIELCh	82, 80.299, 103.776
Yxy	60.2982, 0.4142, 0.5007
Android (android.graphics.Color)	4291941150 (0xFFD1D31E)
YUV	189.7680, -78.7656, 16.8665
Hunter-Lab	77.6519, -21.2406, 46.5313

Details

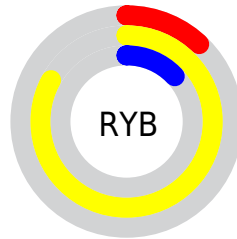
The CIELCh color **82, 80.299, 103.776** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **29, 107.098, 304.917**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 75.229, 104.432**, and **62, 67.555, 105.572** is the 20% darker color. If you saturate the color by 10%, you get **82, 83.235, 103.586**, and if you desaturate by 10%, it is **82, 75.041, 104.179**.

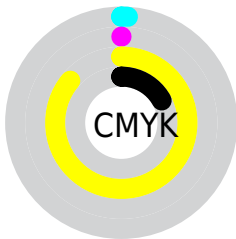
Distribution



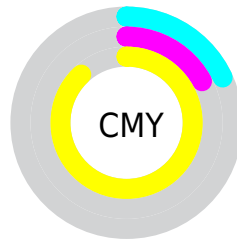
- Red (82%)
- Green (83%)
- Blue (12%)



- Red (12%)
- Yellow (83%)
- Blue (13%)



- Cyan (1%)
- Magenta (0%)
- Yellow (86%)
- Black (17%)





- Cyan (18%)
- Magenta (17%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 80.299, 103.776 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, 80.299, 103.776 by changing the saturation by 10% instead.


 82, 80.299,
103.776


 82, 80.299,
103.776


 100, 80.299,
103.776


 72, 80.299,
103.776

 62, 80.299,
103.776

 52, 80.299,
103.776

 42, 80.299,
103.776

 32, 80.299,
103.776

 22, 80.299,
103.776

 12, 80.299,

103.776

■ 2, 80.299, 103.776

■ 0, 80.299, 103.776

■ 82, 80.299,
103.776

■ 82, 80.299,
103.776

■ 82, 83.235,
103.586

■ 82, 75.041,
104.179

■ 82, 84.049,
103.543

■ 82, 67.790,
104.767

■ 82, 59.069,
105.500

■ 83, 49.359,
106.335

■ 83, 39.022,

107.236

■ 83, 28.307,
108.173

■ 84, 17.374,
109.124

■ 84, 6.325, 110.068

■ 85, 4.771, 291.024

Harmonies

Complementary

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



82, 80.299, 103.776



29, 107.098, 304.917

Rectangle

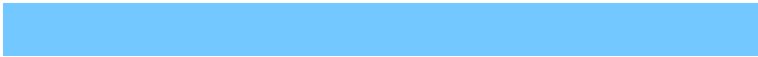
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 80.299, 103.776



82, 80.299, 153.776



82, 80.299, 283.776



82, 80.299, 333.776

Sweetspot

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



82, 80.299, 103.778



99, 33.356, 108.119



45, 81.639, 36.001



52, 22.560, 107.789



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, 80.299, 103.778



97, 96.925, 103.551



77, 88.928, 126.801



44, 6.234, 109.722



67, 71.003, 103.533



16, 23.490, 105.537

Inverse Universe

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



29, 107.098, 304.917



32, 133.768, 306.309



37, 100.878, 312.498



40, 6.373, 291.567



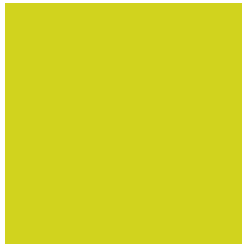
19, 97.969, 306.324



1, 25.562, 293.496

Previews

White Background



This preview shows how the CIELCh color 82, 80.299, 103.776 looks on a white background.

Color Contrast Check

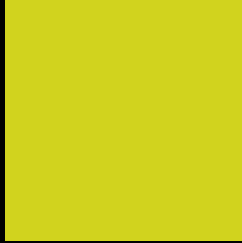
Large Text (above 18pt) WCAG AA × Fail

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 82, 80.299, 103.776 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, 80.299, 103.776

Background



This preview shows how black text looks on a background with the CIELCh color 82, 80.299, 103.776.



This preview shows how white text looks on a background with the CIELCh color 82, 80.299, 103.776.

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, 80.299, 103.776

Protanopia

82, 79.340, 94.849

Deuteranopia

82, 72.276, 82.084



Tritanopia
82, 13.023, 339.884

Trichromacy



Original Color
82, 80.299, 103.776

Protanomaly
82, 79.489, 98.412

Deuteranomaly
82, 74.002, 90.540

Tritanomaly
81, 29.759, 94.142

Monochromacy



Original Color
82, 80.299, 103.776

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 34.655, 107.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 80.299, 103.776 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(209, 211, 30)` looks like.

```
.text, #text, p{  
    color:rgb(209, 211, 30)  
}
```

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(209, 211, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 211, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 80.299, 103.776 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(209, 211, 30) }
```

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

```
.border{ border-color:rgb(209, 211, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 211, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 211, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 211, 30);  
box-shadow:4px 4px 4px 4px rgb(209, 211,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 80.299, 103.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 211, 30) }
```

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

```
.background{ background-color: rgb(209,  
211, 30) }
```

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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