

Converting Colors

CIELCh(82, 81.344, 103.094)

Have a look what the booklet for
CIELCh(82, 81.344, 103.094)
contains.

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Color

CIELCh(82, 81.361, 103.069)

Conversions

Conversions Part 1

Format	Color
Hex	D3D317
RGB	211, 211, 23
RGB Percent	83%, 83%, 9%
CMY	0.1739, 0.1737, 0.9082
CMYK	0.00, 0.00, 0.89, 0.17
HSL	60°, 80%, 46%
HSV	60°, 89%, 83%
XYZ	50.1446, 60.2982, 9.8270
YIQ	189.5680, 60.3480, -58.4680

Conversions

Conversions Part 2

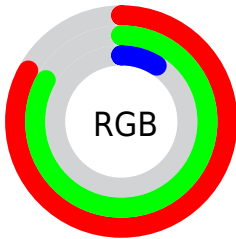
Format	Color
RYB	23, 211, 23
Decimal	13882135
CIELab	82.00, -18.40, 79.25
CIELCh	82, 81.361, 103.069
Yxy	60.2982, 0.4169, 0.5014
Android (android.graphics.Color)	4292072215 (0xFFD3D317)
YUV	189.5680, -82.1180, 18.7959
Hunter-Lab	77.6519, -20.6224, 46.8531

Details

The CIELCh color **82, 81.361, 103.069** 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 **28, 109.706, 305.289**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 76.764, 104.318**, and **62, 67.507, 104.798** is the 20% darker color. If you saturate the color by 10%, you get **82, 83.706, 102.879**, and if you desaturate by 10%, it is **82, 76.833, 103.447**.

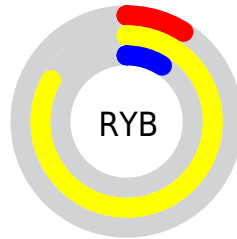
Distribution



Red (83%)

Green (83%)

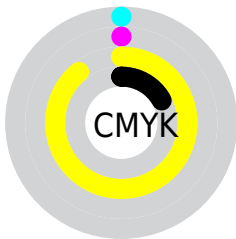
Blue (9%)



Red (9%)

Yellow (83%)

Blue (9%)

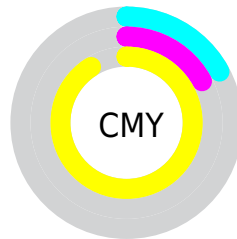


Cyan (0%)

Magenta (0%)

Yellow (89%)

Black (17%)



Cyan (17%)


Magenta (17%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 81.361, 103.069 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, 81.361, 103.069 by changing the saturation by 10% instead.


 82, 81.361,
103.069

 82, 81.361,
103.069


 100, 81.361,
103.069


 72, 81.361,
103.069

 62, 81.361,
103.069

 52, 81.361,
103.069

 42, 81.361,
103.069

 32, 81.361,
103.069

 22, 81.361,
103.069

 12, 81.361,

103.069

■ 2, 81.361, 103.069

■ 0, 81.361, 103.069

■ 82, 81.361,
103.069

■ 82, 81.361,
103.069

■ 82, 83.706,
102.879

■ 82, 76.833,
103.447

■ 82, 83.917,
102.862

■ 82, 70.174,
104.009

■ 82, 61.876,
104.723

■ 83, 52.448,
105.549

■ 83, 42.294,

106.450

■ 83, 31.695,
107.395

■ 84, 20.834,
108.360

■ 84, 9.831, 109.326

■ 85, 1.237, 290.344

Harmonies

Complementary

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



82, 81.361, 103.069



28, 109.706, 305.289

Rectangle

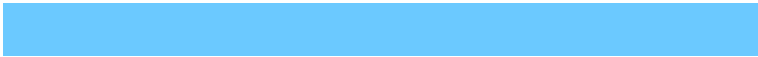
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82, 81.361, 103.069



82, 81.361, 153.069



82, 81.361, 283.069



82, 81.361, 333.069

Sweetspot

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



82, 81.361, 103.071



99, 34.615, 107.548



45, 84.016, 37.068



52, 23.270, 107.217



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, 81.361, 103.071



97, 96.910, 102.862



76, 90.430, 127.039



44, 6.234, 109.277



67, 70.993, 102.862



16, 23.491, 104.905

Inverse Universe

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



28, 109.706, 305.289



32, 133.815, 306.288



36, 102.856, 312.403



40, 6.372, 291.157



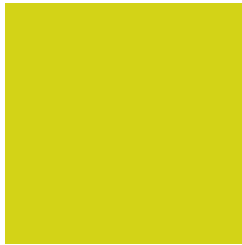
19, 98.027, 306.288



1, 25.555, 293.220

Previews

White Background



This preview shows how the CIELCh color 82, 81.361, 103.069 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, 81.361, 103.069 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, 81.361, 103.069

Background



This preview shows how black text looks on a background with the CIELCh color 82, 81.361, 103.069.



This preview shows how white text looks on a background with the CIELCh color 82, 81.361, 103.069.

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, 81.520, 103.056

Protanopia
82, 80.524, 94.863

Deuteranopia
82, 72.276, 82.084



Tritanopia
82, 12.982, 342.770

Trichromacy



Original Color
82, 81.520, 103.056

Protanomaly
82, 80.472, 97.731

Deuteranomaly
82, 74.990, 90.279

Tritanomaly
81, 31.376, 93.879

Monochromacy



Original Color
82, 81.520, 103.056

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 35.699, 106.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 81.361, 103.069 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(211, 211, 23)` looks like.

```
.text, #text, p{  
    color:rgb(211, 211, 23)  
}
```

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(211, 211, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 211, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 81.361, 103.069 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(211, 211, 23) }
```

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

```
.border{ border-color:rgb(211, 211, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 211, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 211, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 211, 23);  
box-shadow:4px 4px 4px 4px rgb(211, 211,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 81.361, 103.069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 211, 23) }
```

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

```
.background{ background-color: rgb(211,  
211, 23) }
```

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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