

Converting Colors

CIELCh(82, 82.128, 102.637)

Have a look what the booklet for
CIELCh(82, 82.128, 102.637)
contains.

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Color

CIELCh(82, 81.928, 102.389)

Conversions

Conversions Part 1

Format	Color
Hex	D4D213
RGB	212, 210, 19
RGB Percent	83%, 82%, 7%
CMY	0.1676, 0.1755, 0.9271
CMYK	0.00, 0.01, 0.91, 0.17
HSL	59°, 84%, 45%
HSV	59°, 91%, 83%
XYZ	50.4507, 60.2982, 9.5772
YIQ	188.8240, 62.5030, -58.9770

Conversions

Conversions Part 2

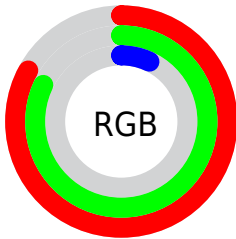
Format	Color
R _Y B	21, 212, 19
Decimal	13947411
CIE Lab	82.00, -17.58, 80.02
CIE LCh	82, 81.928, 102.389
Yxy	60.2982, 0.4193, 0.5011
Android (android.graphics.Color)	4292137491 (0xFFD4D213)
YUV	188.8240, -83.7232, 20.3254
Hunter-Lab	77.6519, -19.9189, 47.0438

Details

The CIELCh color **82, 81.928, 102.389** 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, 111.451, 305.420**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 77.142, 104.289**, and **62, 67.158, 104.028** is the 20% darker color. If you saturate the color by 10%, you get **82, 83.728, 102.193**, and if you desaturate by 10%, it is **82, 77.957, 102.767**.

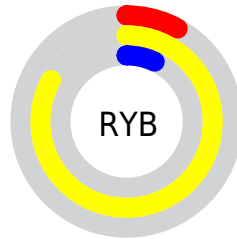
Distribution



Red (83%)

Green (82%)

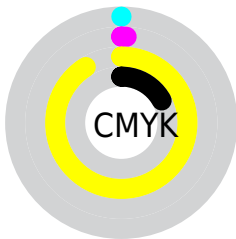
Blue (7%)



Red (8%)

Yellow (83%)

Blue (7%)

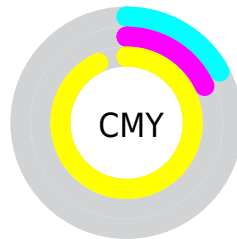


Cyan (0%)

Magenta (1%)

Yellow (91%)

Black (17%)



Cyan (17%)


Magenta (18%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 81.928, 102.389 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, 81.928, 102.389 by changing the saturation by 10% instead.


 82, 81.928,
102.389


 82, 81.928,
102.389


 100, 81.928,
102.389


 72, 81.928,
102.389

 62, 81.928,
102.389

 52, 81.928,
102.389

 42, 81.928,
102.389

 32, 81.928,
102.389

 22, 81.928,
102.389

 12, 81.928,

102.389

■ 2, 81.928, 102.389

■ 0, 81.928, 102.389

■ 82, 81.928,
102.389

■ 82, 81.928,
102.389

■ 82, 83.728,
102.193

■ 82, 77.957,
102.767

■ 82, 71.753,
103.325

■ 82, 63.783,
104.037

■ 83, 54.580,
104.863

■ 83, 44.578,

105.767

■ 83, 34.085,
106.718

■ 84, 23.305,
107.693

■ 84, 12.367,
108.670

■ 85, 1.355, 109.593

Harmonies

Complementary

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



82, 81.928, 102.389



28, 111.451, 305.420

Rectangle

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



82, 81.928, 102.389



82, 81.928, 152.389



82, 81.928, 282.389



82, 81.928, 332.389

Sweetspot

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



82, 81.927, 102.391



98, 34.278, 107.102



45, 85.418, 37.095



52, 23.046, 106.767



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, 81.927, 102.391



96, 96.147, 102.186



77, 91.536, 126.680



45, 6.293, 108.846



67, 71.234, 102.203



17, 24.758, 103.954

Inverse Universe

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



28, 111.451, 305.420



32, 133.407, 306.203



35, 105.138, 311.912



41, 6.431, 290.747



20, 98.625, 306.149



2, 27.376, 293.816

Previews

White Background



This preview shows how the CIELCh color 82, 81.928, 102.389 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, 81.928, 102.389 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, 81.928, 102.389

Background



This preview shows how black text looks on a background with the CIELCh color 82, 81.928, 102.389.



This preview shows how white text looks on a background with the CIELCh color 82, 81.928, 102.389.

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, 81.794, 102.399

Protanopia

82, 81.206, 94.870

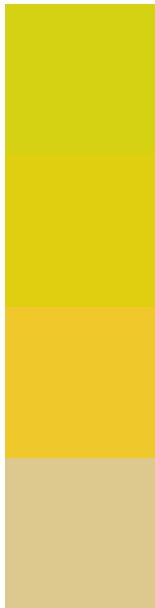
Deuteranopia

82, 72.610, 82.149



Tritanopia
82, 14.180, 343.918

Trichromacy



Original Color
82, 81.794, 102.399

Protanomaly
82, 81.224, 97.406

Deuteranomaly
82, 75.547, 90.322

Tritanomaly
81, 32.595, 92.769

Monochromacy



Original Color
82, 81.794, 102.399

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 36.716, 106.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 81.928, 102.389 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(212, 210, 19)` looks like.

```
.text, #text, p{  
    color:rgb(212, 210, 19)  
}
```

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(212, 210, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 210, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 81.928, 102.389 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(212, 210, 19) }
```

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

```
.border{ border-color:rgb(212, 210, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 210, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 210, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 210, 19);  
box-shadow:4px 4px 4px 4px rgb(212, 210,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 81.928, 102.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 210, 19) }
```

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

```
.background{ background-color: rgb(212,  
210, 19) }
```

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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