

Converting Colors

CIELCh(90, 82.885, 100.576)

Have a look what the booklet for
CIELCh(90, 82.885, 100.576)
contains.

CIELCh(90, 82.663, 100.460)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 82.663, 100.460)

Conversions

Conversions Part 1

Format	Color
Hex	F1E731
RGB	241, 231, 49
RGB Percent	95%, 91%, 19%
CMY	0.0536, 0.0929, 0.8063
CMYK	0.00, 0.04, 0.80, 0.05
HSL	57°, 88%, 57%
HSV	57°, 80%, 95%
XYZ	65.6098, 76.3034, 14.2192
YIQ	213.2420, 64.3820, -54.4820

Conversions

Conversions Part 2

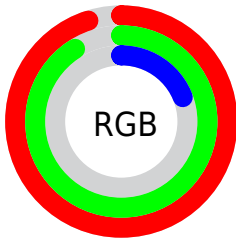
Format	Color
RYB	60, 241, 49
Decimal	15853361
CIELab	90.00, -15.01, 81.29
CIELCh	90, 82.663, 100.460
Yxy	76.3034, 0.4202, 0.4887
Android (android.graphics.Color)	4294043441 (0xFFFF1E731)
YUV	213.2420, -80.9713, 24.3438
Hunter-Lab	87.3518, -18.7946, 51.4950

Details

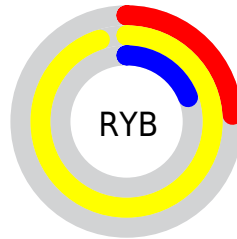
The CIELCh color **90, 82.663, 100.460** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **38, 107.139, 302.560**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 69.155, 104.889**, and **70, 73.409, 101.090** is the 20% darker color. If you saturate the color by 10%, you get **90, 87.266, 99.866**, and if you desaturate by 10%, it is **90, 75.613, 101.196**.

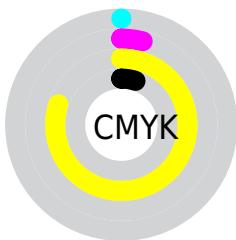
Distribution



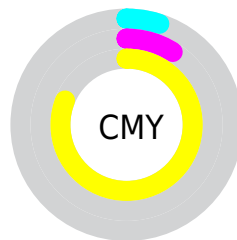
- Red (95%)
- Green (91%)
- Blue (19%)



- Red (24%)
- Yellow (95%)
- Blue (19%)



- Cyan (0%)
- Magenta (4%)
- Yellow (80%)
- Black (5%)





- Cyan (5%)
- Magenta (9%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 82.663, 100.460 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 90, 82.663, 100.460 by changing the saturation by 10% instead.


 90, 82.663,
100.460


 90, 82.663,
100.460


 100, 82.663,
100.460


 80, 82.663,
100.460

 70, 82.663,
100.460

 60, 82.663,
100.460

 50, 82.663,
100.460

 40, 82.663,
100.460

 30, 82.663,
100.460

 20, 82.663,

100.460

■ 10, 82.663,
100.460

■ 0, 82.663, 100.460

■ 90, 82.663,
100.460

■ 90, 82.663,
100.460

■ 90, 87.266, 99.866

■ 90, 75.613,
101.196

■ 89, 89.348, 99.395

■ 91, 66.726,
102.046

■ 89, 89.423, 99.375

■ 92, 56.610,
102.981

■ 92, 45.735,
103.970

■ 93, 34.413,
104.990

■ 94, 22.848,
106.019

■ 94, 11.163,
107.040

■ 95, 0.562, 288.230

■ 96, 6.350, 286.574

Harmonies

Complementary

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



90, 82.663, 100.460



38, 107.139, 302.560

Rectangle

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



90, 82.663, 100.460



90, 82.663, 150.460



90, 82.663, 280.460



90, 82.663, 330.460

Sweetspot

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



90, 82.663, 100.462



98, 29.319, 105.552



53, 81.605, 29.858



52, 20.111, 105.184



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 82.663, 100.462



94, 92.459, 99.585



87, 92.749, 124.089



50, 6.619, 107.046



70, 72.893, 99.437



22, 30.541, 100.407

Inverse Universe

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



38, 107.139, 302.560



34, 128.761, 305.371



44, 107.477, 310.932



46, 6.753, 289.036



22, 102.189, 305.656



3, 36.435, 297.835

Previews

White Background



This preview shows how the CIELCh color 90, 82.663, 100.460 looks on a white background.

Color Contrast Check

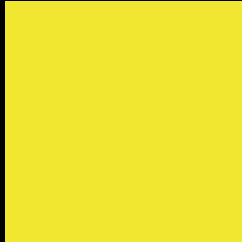
Large Text (above 18pt) WCAG AA × Fail

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 90, 82.663, 100.460 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 90, 82.663, 100.460

Background



This preview shows how black text looks on a background with the CIELCh color 90, 82.663, 100.460.

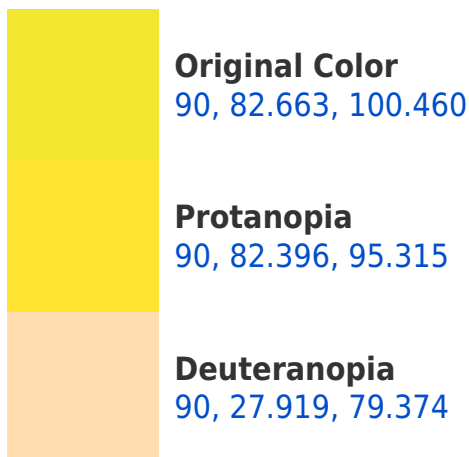



This preview shows how white text looks on a background with the CIELCh color 90, 82.663, 100.460.

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](#).

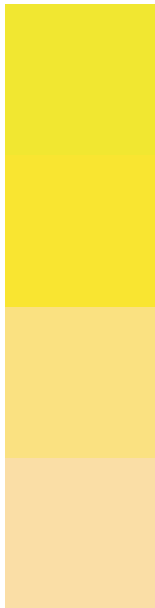
Dichromacy





Tritanopia
90, 16.348, 350.200

Trichromacy



Original Color
90, 82.663, 100.460

Protanomaly
90, 82.377, 97.454

Deuteranomaly
90, 49.918, 94.141

Tritanomaly
90, 31.088, 86.734

Monochromacy



Original Color
90, 82.663, 100.460

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 34.092, 104.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 82.663, 100.460 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(241, 231, 49)` looks like.

```
.text, #text, p{  
    color:rgb(241, 231, 49)  
}
```

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(241, 231, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 231, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 82.663, 100.460 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(241, 231, 49) }
```

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

```
.border{ border-color:rgb(241, 231, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 231, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 231, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 231, 49);  
box-shadow:4px 4px 4px 4px rgb(241, 231,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 82.663, 100.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 231, 49) }
```

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

```
.background{ background-color: rgb(241,  
231, 49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor