

Converting Colors

CIELCh(80, 58.083, 100.545)

Have a look what the booklet for
CIELCh(80, 58.083, 100.545)
contains.

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Color

CIELCh(80, 58.291, 100.659)

Conversions

Conversions Part 1

Format	Color
Hex	D4CA57
RGB	212, 202, 87
RGB Percent	83%, 79%, 34%
CMY	0.1702, 0.2093, 0.6602
CMYK	0.00, 0.05, 0.59, 0.17
HSL	55°, 59%, 58%
HSV	55°, 59%, 83%
XYZ	49.7715, 56.6813, 17.2559
YIQ	191.8800, 42.8750, -33.6450

Conversions

Conversions Part 2

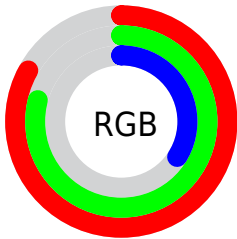
Format	Color
RYB	98, 212, 87
Decimal	13945431
CIELab	80.00, -10.78, 57.29
CIElCh	80, 58.291, 100.659
Yxy	56.6813, 0.4023, 0.4582
Android (android.graphics.Color)	4292135511 (0xFFD4CA57)
YUV	191.8800, -51.7058, 17.6452
Hunter-Lab	75.2870, -13.7477, 39.1115

Details

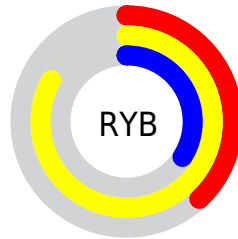
The CIELCh color **80, 58.291, 100.659** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **46, 67.809, 296.526**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 56.312, 105.868**, and **60, 58.092, 100.363** is the 20% darker color. If you saturate the color by 10%, you get **79, 66.324, 99.732**, and if you desaturate by 10%, it is **81, 49.261, 101.654**.

Distribution



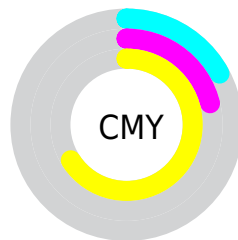
- Red (83%)
- Green (79%)
- Blue (34%)



- Red (38%)
- Yellow (83%)
- Blue (34%)



- Cyan (0%)
- Magenta (5%)
- Yellow (59%)
- Black (17%)





- Cyan (17%)
- Magenta (21%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 58.291, 100.659 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 80, 58.291, 100.659 by changing the saturation by 10% instead.


 80, 58.291,
100.659


 80, 58.291,
100.659


 100, 58.291,
100.659


 70, 58.291,
100.659

 60, 58.291,
100.659

 50, 58.291,
100.659

 40, 58.291,
100.659

 30, 58.291,
100.659

 20, 58.291,
100.659

 10, 58.291,

100.659

0, 58.291, 100.659

80, 58.291,
100.659

80, 58.291,
100.659

79, 66.324, 99.732

81, 49.261,
101.654

79, 72.820, 98.889

81, 39.628,
102.687

78, 77.198, 98.146

78, 79.315, 97.492

82, 29.652,
103.738

78, 79.475, 97.433

83, 19.499,
104.790

84, 9.269, 105.827

85, 0.977, 286.962

■ 86, 11.201,
287.858

■ 87, 20.903,
288.691

■ 87, 20.022,
286.861

Harmonies

Complementary

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



80, 58.291, 100.659



46, 67.809, 296.526

Rectangle

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



80, 58.291, 100.659



80, 58.291, 150.659



80, 58.291, 280.659



80, 58.291, 330.659

Sweetspot

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



80, 58.292, 100.662



98, 21.433, 104.880



54, 53.771, 21.313



52, 14.886, 104.572



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 58.292, 100.662



94, 78.574, 99.495



79, 66.079, 123.377



44, 5.752, 105.792



63, 67.077, 97.524



15, 21.576, 100.374

Inverse Universe

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



46, 67.809, 296.526



47, 96.767, 299.671



48, 73.739, 309.643



41, 5.859, 287.796



21, 94.231, 305.192



2, 24.135, 291.306

Previews

White Background



This preview shows how the CIELCh color 80, 58.291, 100.659 looks on a white background.

Color Contrast Check

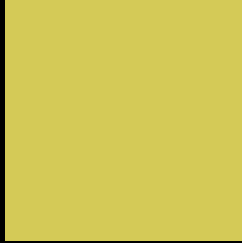
Large Text (above 18pt) WCAG AA × Fail

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 80, 58.291, 100.659 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 80, 58.291, 100.659

Background



This preview shows how black text looks on a background with the CIELCh color 80, 58.291, 100.659.



This preview shows how white text looks on a background with the CIELCh color 80, 58.291, 100.659.

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
80, 58.291, 100.659

Protanopia
80, 58.111, 95.913

Deuteranopia
80, 57.410, 80.069



Tritanopia
80, 14.888, 348.308

Trichromacy



Original Color
80, 58.291, 100.659

Protanomaly
80, 58.245, 97.648

Deuteranomaly
80, 56.773, 87.748

Tritanomaly
80, 20.222, 79.052

Monochromacy



Original Color
80, 58.291, 100.659

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 22.305, 105.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 58.291, 100.659 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, 202, 87)` looks like.

```
.text, #text, p{  
    color:rgb(212, 202, 87)  
}
```

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, 202, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 202, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 58.291, 100.659 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, 202, 87) }
```

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

```
.border{ border-color:rgb(212, 202, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 202, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 202, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 202, 87);  
box-shadow:4px 4px 4px 4px rgb(212, 202,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 58.291, 100.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 202, 87) }
```

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

```
.background{ background-color: rgb(212,  
202, 87) }
```

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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