

Converting Colors

CIELCh(80, 31.120, 85.724)

Have a look what the booklet for
CIELCh(80, 31.120, 85.724) contains.

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Color

CIELCh(80, 30.891, 85.657)

Conversions

Conversions Part 1

Format	Color
Hex	DFC38D
RGB	223, 195, 141
RGB Percent	87%, 76%, 55%
CMY	0.1252, 0.2350, 0.4468
CMYK	0.00, 0.13, 0.37, 0.13
HSL	40°, 56%, 71%
HSV	40°, 37%, 87%
XYZ	54.7927, 56.6813, 33.2749
YIQ	197.2160, 34.0220, -10.8580

Conversions

Conversions Part 2

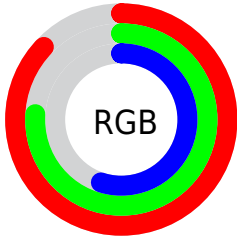
Format	Color
RYB	184, 223, 141
Decimal	14664589
CIELab	80.00, 2.34, 30.80
CIELCh	80, 30.891, 85.657
Yxy	56.6813, 0.3785, 0.3916
Android (android.graphics.Color)	4292854669 (0xFFDFC38D)
YUV	197.2160, -27.7145, 22.6126
Hunter-Lab	75.2870, -1.8426, 26.4962

Details

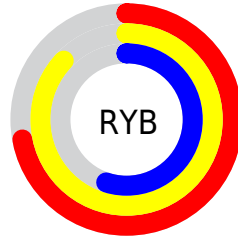
The CIELCh color **80, 30.891, 85.657** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **69, 30.550, 276.538**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 28.348, 104.925**, and **60, 30.906, 84.795** is the 20% darker color. If you saturate the color by 10%, you get **78, 39.602, 84.261**, and if you desaturate by 10%, it is **82, 22.266, 87.021**.

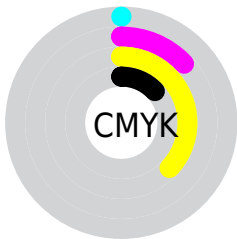
Distribution



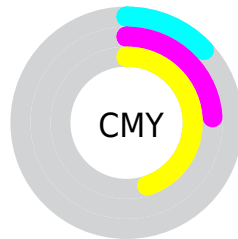
- Red (87%)
- Green (76%)
- Blue (55%)



- Red (72%)
- Yellow (87%)
- Blue (55%)



- Cyan (0%)
- Magenta (13%)
- Yellow (37%)
- Black (13%)



- Cyan (13%)
- Magenta (24%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 30.891, 85.657 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, 30.891, 85.657 by changing the saturation by 10% instead.

 80, 30.891, 85.657

 80, 30.891, 85.657

 100, 30.891,
85.657

 70, 30.891, 85.657

 60, 30.891, 85.657

 50, 30.891, 85.657

 40, 30.891, 85.657

 30, 30.891, 85.657

 20, 30.891, 85.657

 10, 30.891, 85.657

 0, 30.891, 85.657

 80, 30.891, 85.657

 80, 30.891, 85.657

78, 39.602, 84.261

82, 22.266, 87.021

76, 48.260, 82.811

85, 13.793, 88.336

73, 56.595, 81.283

87, 5.497, 89.586

71, 64.129, 79.616

90, 2.616, 270.971

69, 70.105, 77.686

92, 10.551,
272.077

68, 73.687, 75.303

94, 9.348, 250.976

67, 74.566, 74.486

96, 9.133, 220.839

98, 10.805,
198.785

Harmonies

Complementary

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



80, 30.891, 85.657



69, 30.550, 276.538

Rectangle

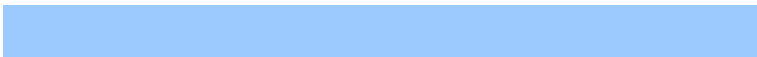
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 30.891, 85.657



80, 30.891, 135.657



80, 30.891, 265.657



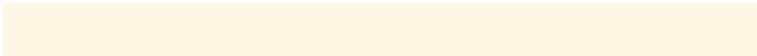
80, 30.891, 315.657

Sweetspot

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



80, 30.892, 85.662



97, 10.021, 89.058



68, 34.982, 356.796



51, 6.744, 88.887



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, 30.892, 85.662



88, 41.467, 84.607



86, 42.278, 113.313



46, 4.654, 89.261



54, 62.464, 74.994



14, 20.701, 77.733

Inverse Universe

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



69, 30.550, 276.538



74, 41.002, 278.277



63, 46.210, 299.627



44, 4.649, 271.750



30, 72.827, 296.010



5, 23.838, 286.185

Previews

White Background



This preview shows how the CIELCh color 80, 30.891, 85.657 looks on a white background.

Color Contrast Check

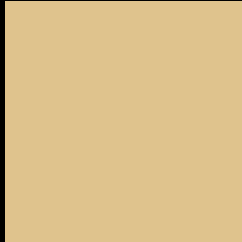
Large Text (above 18pt) WCAG AA × Fail

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, 30.891, 85.657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

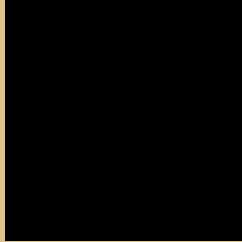
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 30.891, 85.657

Background



This preview shows how black text looks on a background with the CIELCh color 80, 30.891, 85.657.



This preview shows how white text looks on a background with the CIELCh color 80, 30.891, 85.657.

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, 30.891, 85.657

Protanopia

80, 30.250, 95.006

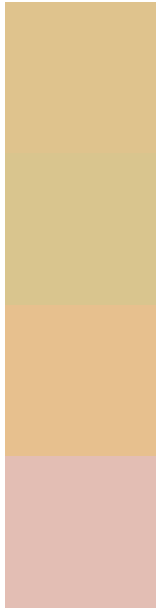
Deuteranopia

80, 32.137, 71.497



Tritanopia
80, 17.858, 354.507

Trichromacy



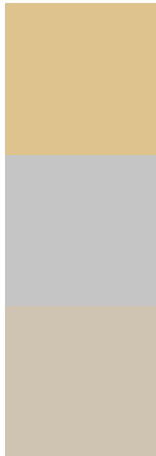
Original Color
80, 30.891, 85.657

Protanomaly
80, 30.196, 91.793

Deuteranomaly
80, 31.247, 76.719

Tritanomaly
80, 15.345, 40.522

Monochromacy



Original Color
80, 30.891, 85.657

Achromatopsia
80, 0.010, 296.813

Achromatomaly
79, 10.789, 88.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 30.891, 85.657 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(223, 195, 141)` looks like.

```
.text, #text, p{  
    color:rgb(223, 195, 141)  
}
```

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(223, 195, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 195, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 30.891, 85.657 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(223, 195, 141) }
```

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

```
.border{ border-color:rgb(223, 195, 141) }
```

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

Here you see how a box with a 4 pixel rgb(223, 195, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 195, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 195, 141);  
box-shadow:4px 4px 4px 4px rgb(223, 195,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 30.891, 85.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 195, 141) }
```

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

```
.background{ background-color: rgb(223,  
195, 141) }
```

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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