

Converting Colors

CIELCh(80, 25.747, 81.245)

Have a look what the booklet for
CIELCh(80, 25.747, 81.245) contains.

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Color

CIELCh(80, 25.766, 80.912)

Conversions

Conversions Part 1

Format	Color
Hex	DFC297
RGB	223, 194, 151
RGB Percent	87%, 76%, 59%
CMY	0.1244, 0.2381, 0.4068
CMYK	0.00, 0.13, 0.32, 0.12
HSL	36°, 53%, 73%
HSV	36°, 32%, 88%
XYZ	55.4791, 56.6813, 37.4067
YIQ	197.7690, 31.0870, -7.2250

Conversions

Conversions Part 2

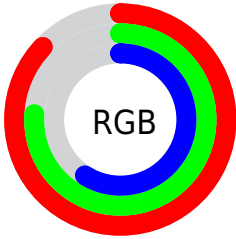
Format	Color
R _Y B	200, 223, 151
Decimal	14664343
CIE Lab	80.00, 4.07, 25.44
CIE LCh	80, 25.766, 80.912
Yxy	56.6813, 0.3709, 0.3790
Android (android.graphics.Color)	4292854423 (0xFFDFC297)
YUV	197.7690, -23.0571, 22.1276
Hunter-Lab	75.2870, -0.2152, 23.2424

Details

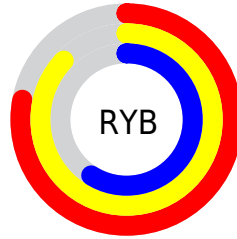
The CIELCh color $80, 25.766, 80.912$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $73, 24.802, 270.413$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 22.878, 103.714$, and $60, 25.816, 81.270$ is the 20% darker color. If you saturate the color by 10%, you get $77, 34.241, 79.529$, and if you desaturate by 10%, it is $83, 17.507, 82.269$.

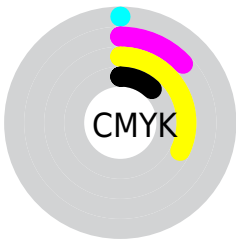
Distribution



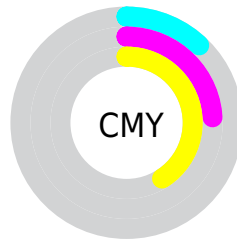
- Red (87%)
- Green (76%)
- Blue (59%)



- Red (78%)
- Yellow (87%)
- Blue (59%)



- Cyan (0%)
- Magenta (13%)
- Yellow (32%)
- Black (12%)



- Cyan (12%)
- Magenta (24%)
- Yellow (41%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 25.766, 80.912 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, 25.766, 80.912 by changing the saturation by 10% instead.

 80, 25.766, 80.912

 80, 25.766, 80.912

 100, 25.766,
80.912

 70, 25.766, 80.912

 60, 25.766, 80.912

 50, 25.766, 80.912

 40, 25.766, 80.912

 30, 25.766, 80.912

 20, 25.766, 80.912

 10, 25.766, 80.912

 0, 25.766, 80.912

 80, 25.766, 80.912

 80, 25.766, 80.912

77, 34.241, 79.529

83, 17.507, 82.269

75, 42.856, 78.098

85, 9.489, 83.573

72, 51.442, 76.602

88, 1.712, 84.700

70, 59.665, 74.986

91, 5.835, 266.173

68, 66.915, 73.133

94, 9.639, 256.794

65, 72.286, 70.825

96, 9.048, 221.566

64, 74.996, 68.682

98, 10.734,
198.790

Harmonies

Complementary

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



80, 25.766, 80.912



73, 24.802, 270.413

Rectangle

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



80, 25.766, 80.912



80, 25.766, 130.912



80, 25.766, 260.912



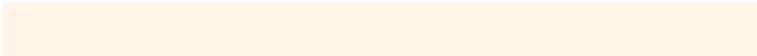
80, 25.766, 310.912

Sweetspot

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



80, 25.767, 80.918



97, 8.593, 83.848



70, 31.597, 351.752



51, 5.876, 83.670



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, 25.767, 80.918



88, 35.055, 79.945



87, 37.083, 110.741



46, 4.394, 83.926



51, 62.702, 69.270



13, 20.058, 71.168

Inverse Universe

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



73, 24.802, 270.413



78, 33.459, 271.960



66, 40.119, 296.915



44, 4.358, 266.475



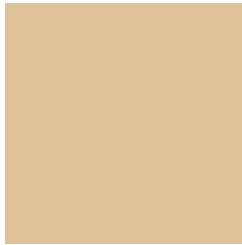
33, 65.584, 292.073



6, 22.043, 282.748

Previews

White Background



This preview shows how the CIELCh color 80, 25.766, 80.912 looks on a white background.

Color Contrast Check

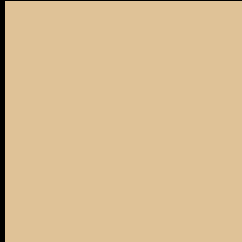
Large Text (above 18pt) WCAG AA × Fail

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, 25.766, 80.912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

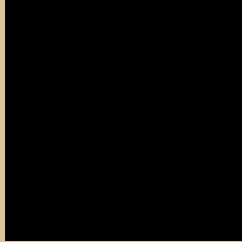
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 25.766, 80.912

Background



This preview shows how black text looks on a background with the CIELCh color 80, 25.766, 80.912.



This preview shows how white text looks on a background with the CIELCh color 80, 25.766, 80.912.

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, 25.766, 80.912

Protanopia

80, 24.448, 94.722

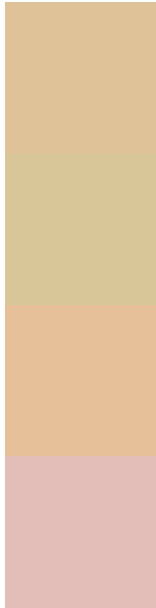
Deuteranopia

80, 26.993, 67.845



Tritanopia
80, 17.521, 353.916

Trichromacy



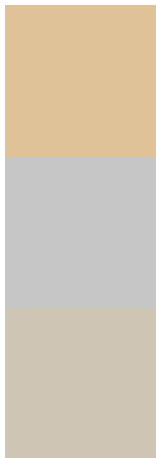
Original Color
80, 25.766, 80.912

Protanomaly
80, 25.036, 90.191

Deuteranomaly
80, 26.214, 73.207

Tritanomaly
80, 14.616, 32.961

Monochromacy



Original Color
80, 25.766, 80.912

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 9.297, 85.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 25.766, 80.912 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, 194, 151)` looks like.

```
.text, #text, p{  
    color:rgb(223, 194, 151)  
}
```

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, 194, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 194, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 25.766, 80.912 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, 194, 151) }
```

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

```
.border{ border-color:rgb(223, 194, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 194, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 194, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 194, 151); box-shadow:4px 4px 4px 4px rgb(223, 194, 151) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 25.766, 80.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 194, 151) }
```

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

```
.background{ background-color: rgb(223,  
194, 151) }
```

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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