

Converting Colors

CIELCh(80, 23.582, 83.622)

Have a look what the booklet for
CIELCh(80, 23.582, 83.622) contains.

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Color

CIELCh(80, 23.543, 82.933)

Conversions

Conversions Part 1

Format	Color
Hex	DCC39B
RGB	220, 195, 155
RGB Percent	86%, 76%, 61%
CMY	0.1368, 0.2349, 0.3917
CMYK	0.00, 0.11, 0.30, 0.14
HSL	37°, 48%, 74%
HSV	37°, 30%, 86%
XYZ	55.0131, 56.6813, 39.0966
YIQ	197.9150, 27.7400, -7.1400

Conversions

Conversions Part 2

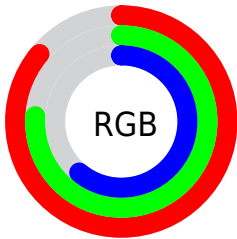
Format	Color
RYB	196, 220, 155
Decimal	14467995
CIELab	80.00, 2.90, 23.36
CIELCh	80, 23.543, 82.933
Yxy	56.6813, 0.3648, 0.3759
Android (android.graphics.Color)	4292658075 (0xFFDCC39B)
YUV	197.9150, -21.1571, 19.3685
Hunter-Lab	75.2870, -1.3200, 21.9115

Details

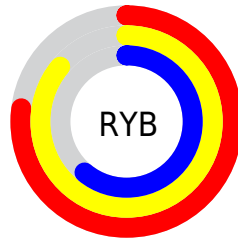
The CIELCh color $80, 23.543, 82.933$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $73, 22.920, 271.473$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 20.823, 104.477$, and $60, 23.169, 82.182$ is the 20% darker color. If you saturate the color by 10%, you get $77, 31.930, 81.560$, and if you desaturate by 10%, it is $83, 15.355, 84.279$.

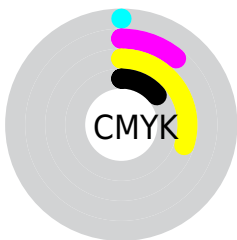
Distribution



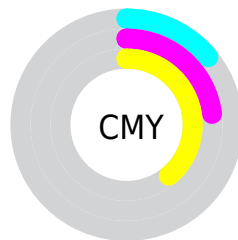
- Red (86%)
- Green (76%)
- Blue (61%)



- Red (77%)
- Yellow (86%)
- Blue (61%)



- Cyan (0%)
- Magenta (11%)
- Yellow (30%)
- Black (14%)



- Cyan (14%)
- Magenta (23%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 23.543, 82.933 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, 23.543, 82.933 by changing the saturation by 10% instead.

80, 23.543, 82.933

80, 23.543, 82.933

100, 23.543,
82.933

70, 23.543, 82.933

60, 23.543, 82.933

50, 23.543, 82.933

40, 23.543, 82.933

30, 23.543, 82.933

20, 23.543, 82.933

10, 23.543, 82.933

0, 23.543, 82.933

80, 23.543, 82.933

80, 23.543, 82.933

77, 31.930, 81.560

83, 15.355, 84.279

75, 40.449, 80.137

85, 7.385, 85.564

73, 48.958, 78.658

88, 0.366, 267.685

70, 57.168, 77.081

91, 7.907, 268.121

68, 64.555, 75.315

93, 10.655,
257.704

66, 70.296, 73.185

95, 9.764, 227.646

64, 73.831, 70.539

97, 11.549,
200.352

64, 73.987, 70.417

98, 11.766,
198.720

Harmonies

Complementary

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



80, 23.543, 82.933



73, 22.920, 271.473

Rectangle

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



80, 23.543, 82.933



80, 23.543, 132.933



80, 23.543, 262.933



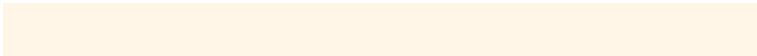
80, 23.543, 312.933

Sweetspot

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



80, 23.544, 82.940



97, 7.849, 85.621



71, 28.303, 352.464



51, 5.467, 85.438



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, 23.544, 82.940



90, 31.681, 82.150



86, 33.666, 111.694



45, 4.383, 85.577



51, 61.879, 70.992



12, 18.916, 73.062

Inverse Universe

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



73, 22.920, 271.473



80, 30.678, 272.662



67, 36.123, 297.102



43, 4.357, 268.107



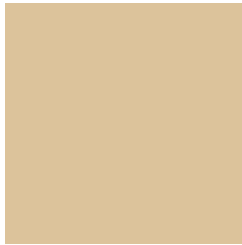
32, 66.925, 293.283



6, 21.323, 282.720

Previews

White Background



This preview shows how the CIELCh color 80, 23.543, 82.933 looks on a white background.

Color Contrast Check

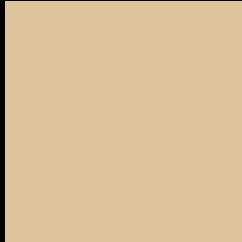
Large Text (above 18pt) WCAG AA × Fail

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, 23.543, 82.933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

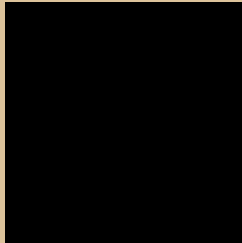
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

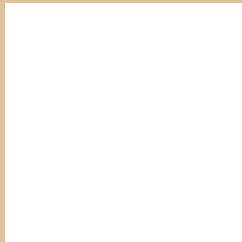
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 23.543, 82.933

Background



This preview shows how black text looks on a background with the CIELCh color 80, 23.543, 82.933.



This preview shows how white text looks on a background with the CIELCh color 80, 23.543, 82.933.

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, 23.543, 82.933

Protanopia

80, 22.302, 94.767

Deuteranopia

80, 25.139, 67.168



Tritanopia
80, 15.604, 352.313

Trichromacy



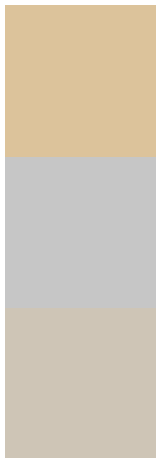
Original Color
80, 23.543, 82.933

Protanomaly
80, 22.765, 90.810

Deuteranomaly
80, 24.189, 71.475

Tritanomaly
80, 12.919, 32.118

Monochromacy



Original Color
80, 23.543, 82.933

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 8.653, 86.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 23.543, 82.933 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(220, 195, 155)` looks like.

```
.text, #text, p{  
    color:rgb(220, 195, 155)  
}
```

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(220, 195, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 195, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 23.543, 82.933 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(220, 195, 155) }
```

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

```
.border{ border-color:rgb(220, 195, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 195, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 195, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 195, 155);  
box-shadow:4px 4px 4px 4px rgb(220, 195,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 23.543, 82.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 195, 155) }
```

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

```
.background{ background-color: rgb(220,  
195, 155) }
```

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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