

Converting Colors

CIELCh(80, 19.629, 89.621)

Have a look what the booklet for
CIELCh(80, 19.629, 89.621) contains.

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Color

CIELCh(80, 19.610, 89.635)

Conversions

Conversions Part 1

Format	Color
Hex	D5C5A2
RGB	213, 197, 162
RGB Percent	84%, 77%, 64%
CMY	0.1647, 0.2275, 0.3647
CMYK	0.00, 0.08, 0.24, 0.16
HSL	41°, 38%, 74%
HSV	41°, 24%, 84%
XYZ	53.9227, 56.6813, 42.2770
YIQ	197.7940, 20.7710, -7.4930

Conversions

Conversions Part 2

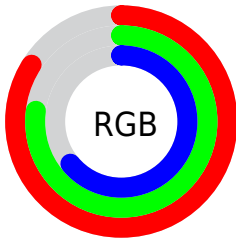
Format	Color
RYB	185, 213, 162
Decimal	14009762
CIELab	80.00, 0.12, 19.61
CIELCh	80, 19.610, 89.635
Yxy	56.6813, 0.3527, 0.3708
Android (android.graphics.Color)	4292199842 (0xFFD5C5A2)
YUV	197.7940, -17.6464, 13.3357
Hunter-Lab	75.2870, -3.9054, 19.4069

Details

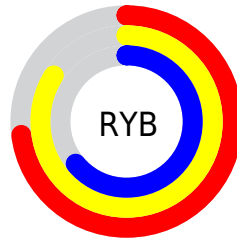
The CIELCh color $80, 19.610, 89.635$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $72, 19.616, 276.154$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $99, 18.721, 107.627$, and $60, 19.628, 88.968$ is the 20% darker color. If you saturate the color by 10%, you get $78, 28.033, 88.316$, and if you desaturate by 10%, it is $82, 11.313, 90.923$.

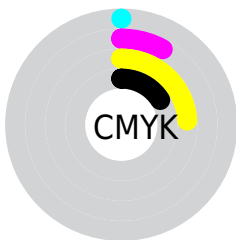
Distribution



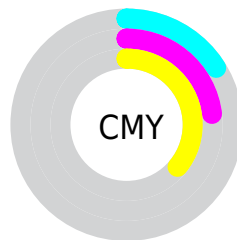
- Red (84%)
- Green (77%)
- Blue (64%)



- Red (73%)
- Yellow (84%)
- Blue (64%)



- Cyan (0%)
- Magenta (8%)
- Yellow (24%)
- Black (16%)



- Cyan (16%)
- Magenta (23%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 19.610, 89.635 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, 19.610, 89.635 by changing the saturation by 10% instead.

80, 19.610, 89.635

80, 19.610, 89.635

100, 19.610,
89.635

70, 19.610, 89.635

60, 19.610, 89.635

50, 19.610, 89.635

40, 19.610, 89.635

30, 19.610, 89.635

20, 19.610, 89.635

10, 19.610, 89.635

0, 19.610, 89.635

80, 19.610, 89.635

80, 19.610, 89.635

78, 28.033, 88.316

82, 11.313, 90.923

76, 36.520, 86.951

84, 3.162, 92.114

74, 44.952, 85.542

87, 4.833, 273.438

72, 53.102, 84.073

89, 12.677,
274.556

70, 60.564, 82.504

91, 13.878,
266.477

68, 66.689, 80.745

67, 70.664, 78.646

93, 12.096,
249.232

66, 72.154, 77.222

94, 11.658,
228.741

96, 12.677,
209.362

97, 14.053,
198.568

Harmonies

Complementary

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



80, 19.610, 89.635



72, 19.616, 276.154

Rectangle

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



80, 19.610, 89.635



80, 19.610, 139.635



80, 19.610, 269.635



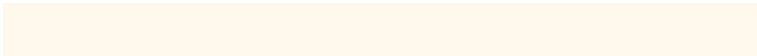
80, 19.610, 319.635

Sweetspot

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



80, 19.611, 89.642



98, 6.524, 91.763



72, 21.333, 357.308



52, 4.242, 91.691



0, 0.000, 0.000



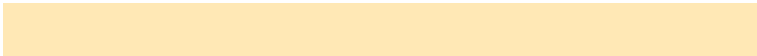
53, 0.007, 296.813

Same Dimension

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



80, 19.611, 89.642



93, 27.616, 88.937



83, 26.860, 115.664



44, 4.604, 91.481



53, 61.258, 77.669



12, 18.423, 80.693

Inverse Universe

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



72, 19.616, 276.154



82, 27.630, 277.122



69, 28.316, 299.316



42, 4.613, 273.916



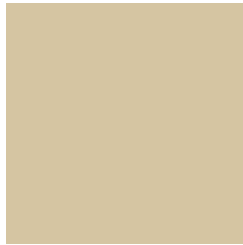
28, 74.265, 297.457



4, 21.608, 285.125

Previews

White Background



This preview shows how the CIELCh color 80, 19.610, 89.635 looks on a white background.

Color Contrast Check

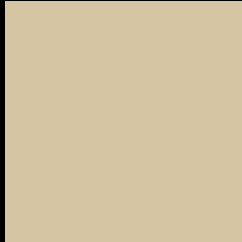
Large Text (above 18pt) WCAG AA × Fail

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, 19.610, 89.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

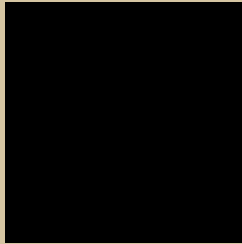
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 19.610, 89.635

Background



This preview shows how black text looks on a background with the CIELCh color 80, 19.610, 89.635.

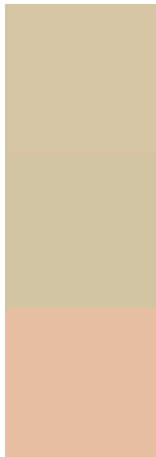


This preview shows how white text looks on a background with the CIELCh color 80, 19.610, 89.635.

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, 19.610, 89.635

Protanopia

80, 19.640, 94.473

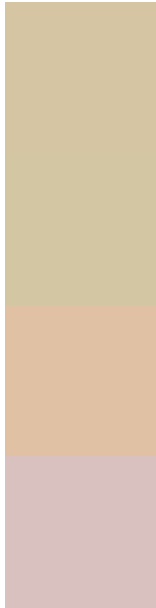
Deuteranopia

80, 21.722, 62.934



Tritanopia
80, 12.751, 341.737

Trichromacy



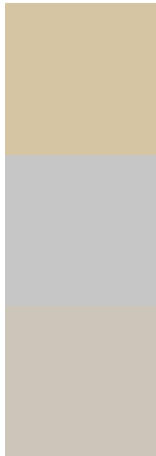
Original Color
80, 19.610, 89.635

Protanomaly
80, 19.741, 93.352

Deuteranomaly
80, 20.267, 71.165

Tritanomaly
80, 8.830, 30.366

Monochromacy



Original Color
80, 19.610, 89.635

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 7.138, 94.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 19.610, 89.635 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(213, 197, 162)` looks like.

```
.text, #text, p{  
    color:rgb(213, 197, 162)  
}
```

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(213, 197, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 197, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 19.610, 89.635 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(213, 197, 162) }
```

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

```
.border{ border-color:rgb(213, 197, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 197, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 197, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 197, 162);  
box-shadow:4px 4px 4px 4px rgb(213, 197,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 19.610, 89.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 197, 162) }
```

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

```
.background{ background-color: rgb(213,  
197, 162) }
```

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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