

Converting Colors

CIELCh(80, 21.581, 78.415)

Have a look what the booklet for
CIELCh(80, 21.581, 78.415) contains.

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Color

CIELCh(80, 21.575, 78.412)

Conversions

Conversions Part 1

Format	Color
Hex	DDC29F
RGB	221, 194, 159
RGB Percent	87%, 76%, 62%
CMY	0.1319, 0.2378, 0.3751
CMYK	0.00, 0.12, 0.28, 0.13
HSL	34°, 48%, 75%
HSV	34°, 28%, 87%
XYZ	55.5844, 56.6813, 40.9646
YIQ	198.0830, 27.3270, -5.1610

Conversions

Conversions Part 2

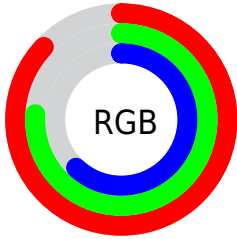
Format	Color
R _Y B	207, 221, 159
Decimal	14533279
CIE Lab	80.00, 4.33, 21.14
CIE LCh	80, 21.575, 78.412
Yxy	56.6813, 0.3628, 0.3699
Android (android.graphics.Color)	4292723359 (0xFFDDC29F)
YUV	198.0830, -19.2679, 20.0982
Hunter-Lab	75.2870, 0.0344, 20.4404

Details

The CIELCh color $80, 21.575, 78.412$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $75, 20.587, 266.482$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 18.351, 102.972$, and $60, 21.618, 77.975$ is the 20% darker color. If you saturate the color by 10%, you get $77, 29.801, 77.065$, and if you desaturate by 10%, it is $83, 13.624, 79.739$.

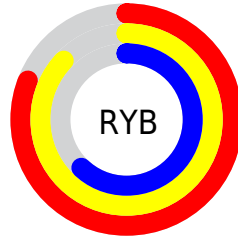
Distribution



Red (87%)

Green (76%)

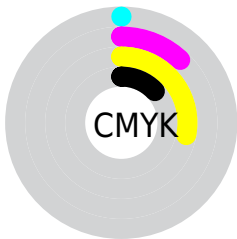
Blue (62%)



Red (81%)

Yellow (87%)

Blue (62%)

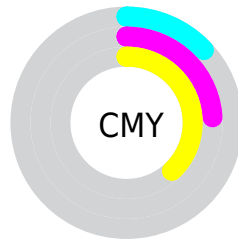


Cyan (0%)

Magenta (12%)

Yellow (28%)

Black (13%)



Cyan (13%)

Magenta (24%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 21.575, 78.412 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, 21.575, 78.412 by changing the saturation by 10% instead.

80, 21.575, 78.412

80, 21.575, 78.412

100, 21.575,
78.412

70, 21.575, 78.412

60, 21.575, 78.412

50, 21.575, 78.412

40, 21.575, 78.412

30, 21.575, 78.412

20, 21.575, 78.412

10, 21.575, 78.412

0, 21.575, 78.412

80, 21.575, 78.412

80, 21.575, 78.412

77, 29.801, 77.065

83, 13.624, 79.739

74, 38.263, 75.677

86, 5.951, 81.002

72, 46.856, 74.242

89, 1.456, 262.552

69, 55.349, 72.720

92, 8.618, 263.571

67, 63.286, 71.015

95, 9.480, 241.731

64, 69.883, 68.939

97, 10.474,
206.743

62, 74.276, 66.241

98, 11.361,
198.747

62, 75.057, 65.701

Harmonies

Complementary

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



80, 21.575, 78.412



75, 20.587, 266.482

Rectangle

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



80, 21.575, 78.412



80, 21.575, 128.412



80, 21.575, 258.412



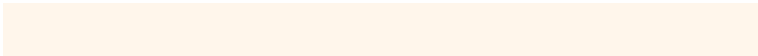
80, 21.575, 308.412

Sweetspot

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



80, 21.576, 78.419



97, 6.660, 80.997



72, 27.682, 349.163



51, 4.747, 80.812



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, 21.576, 78.419



89, 29.696, 77.577



87, 32.040, 109.649



45, 4.193, 80.831



49, 62.435, 66.341



11, 18.536, 67.287

Inverse Universe

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



75, 20.587, 266.482



82, 28.012, 267.767



68, 34.271, 295.240



44, 4.140, 263.381



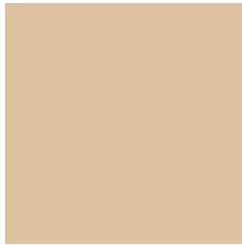
34, 61.027, 289.568



6, 19.939, 279.372

Previews

White Background



This preview shows how the CIELCh color 80, 21.575, 78.412 looks on a white background.

Color Contrast Check

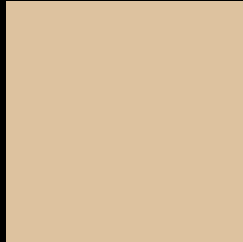
Large Text (above 18pt) WCAG AA × Fail

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, 21.575, 78.412 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, 21.575, 78.412

Background



This preview shows how black text looks on a background with the CIELCh color 80, 21.575, 78.412.



This preview shows how white text looks on a background with the CIELCh color 80, 21.575, 78.412.

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, 21.575, 78.412

Protanopia

80, 20.153, 94.765

Deuteranopia

80, 23.210, 64.817



Tritanopia
80, 16.183, 351.319

Trichromacy



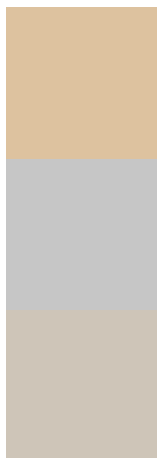
Original Color
80, 21.575, 78.412

Protanomaly
80, 20.749, 89.379

Deuteranomaly
80, 22.196, 69.380

Tritanomaly
80, 13.090, 27.334

Monochromacy



Original Color
80, 21.575, 78.412

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 7.682, 83.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 21.575, 78.412 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(221, 194, 159)` looks like.

```
.text, #text, p{  
    color:rgb(221, 194, 159)  
}
```

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(221, 194, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 194, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 21.575, 78.412 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(221, 194, 159) }
```

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

```
.border{ border-color:rgb(221, 194, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 194, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 194, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 194, 159); box-shadow:4px 4px 4px 4px rgb(221, 194, 159) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 21.575, 78.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 194, 159) }
```

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

```
.background{ background-color: rgb(221,  
194, 159) }
```

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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