

Converting Colors

CIELCh(80, 8.302, 91.488)

Have a look what the booklet for
CIELCh(80, 8.302, 91.488) contains.

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Color

CIELCh(80, 8.374, 90.970)

Conversions

Conversions Part 1

Format	Color
Hex	CDC6B7
RGB	205, 198, 183
RGB Percent	80%, 78%, 72%
CMY	0.1967, 0.2242, 0.2830
CMYK	0.00, 0.03, 0.11, 0.20
HSL	41°, 18%, 76%
HSV	41°, 11%, 80%
XYZ	53.8185, 56.6813, 52.8162
YIQ	198.3830, 8.9870, -3.1810

Conversions

Conversions Part 2

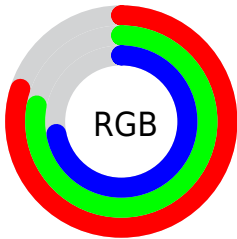
Format	Color
R_{YB}	193, 205, 183
Decimal	13485751
CIE Lab	80.00, -0.14, 8.37
CIE LCh	80, 8.374, 90.970
Yxy	56.6813, 0.3295, 0.3471
Android (android.graphics.Color)	4291675831 (0xFFCDC6B7)
YUV	198.3830, -7.5838, 5.8031
Hunter-Lab	75.2870, -4.1524, 11.1071

Details

The CIELCh color $80, 8.374, 90.970$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $77, 8.383, 273.760$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 8.099, 109.562$, and $60, 8.361, 89.409$ is the 20% darker color. If you saturate the color by 10%, you get $78, 16.339, 89.722$, and if you desaturate by 10%, it is $82, 0.561, 91.825$.

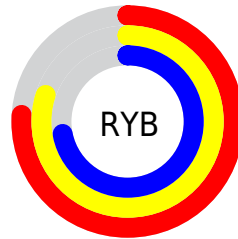
Distribution



Red (80%)

Green (78%)

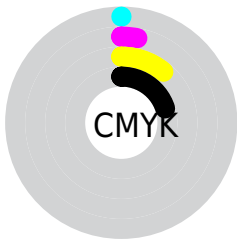
Blue (72%)



Red (76%)

Yellow (80%)

Blue (72%)

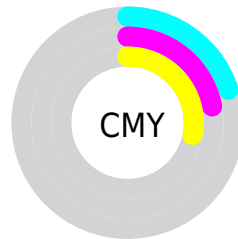


Cyan (0%)

Magenta (3%)

Yellow (11%)

Black (20%)



Cyan (20%)

Magenta (22%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 8.374, 90.970 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, 8.374, 90.970 by changing the saturation by 10% instead.

■ 80, 8.374, 90.970

■ 80, 8.374, 90.970

■ 100, 8.374, 90.970

■ 70, 8.374, 90.970

■ 60, 8.374, 90.970

■ 50, 8.374, 90.970

■ 40, 8.374, 90.970

■ 30, 8.374, 90.970

■ 20, 8.374, 90.970

■ 10, 8.374, 90.970

■ 0, 8.374, 90.970

■ 80, 8.374, 90.970

■ 80, 8.374, 90.970

78, 16.339, 89.722

82, 0.561, 91.825

76, 24.438, 88.411

84, 7.100, 273.459

74, 32.628, 87.058

87, 14.615,
274.575

72, 40.820, 85.664

89, 17.222,
270.108

70, 48.837, 84.217

68, 56.357, 82.686

90, 15.094,
257.191

66, 62.836, 80.999

92, 13.923,
241.287

65, 67.515, 79.025

63, 70.046, 76.882

94, 13.928,
224.149

95, 15.084,
208.471

97, 16.613,
198.403

Harmonies

Complementary

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



80, 8.374, 90.970



77, 8.383, 273.760

Rectangle

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



80, 8.374, 90.970



80, 8.374, 140.970



80, 8.374, 270.970



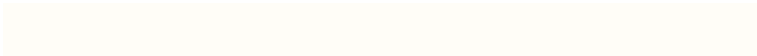
80, 8.374, 320.970

Sweetspot

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



80, 8.375, 90.984



99, 2.766, 91.864



76, 9.133, 354.657



53, 2.101, 91.786



0, 0.000, 0.000



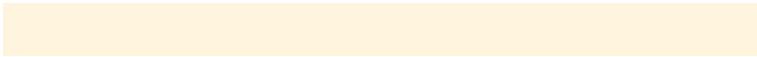
53, 0.007, 296.813

Same Dimension

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



80, 8.375, 90.984



97, 12.144, 90.684



82, 11.698, 115.937



42, 4.403, 91.148



52, 59.876, 77.331



10, 15.589, 80.383

Inverse Universe

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



77, 8.383, 273.760



92, 12.148, 274.105



75, 11.977, 297.526



40, 4.409, 273.576



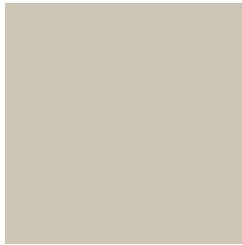
27, 71.961, 297.142



4, 18.453, 282.710

Previews

White Background



This preview shows how the CIELCh color 80, 8.374, 90.970 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, 8.374, 90.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

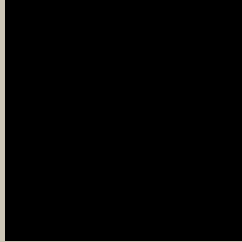
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

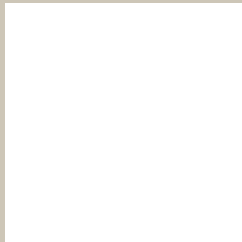
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 8.374, 90.970

Background



This preview shows how black text looks on a background with the CIELCh color 80, 8.374, 90.970.

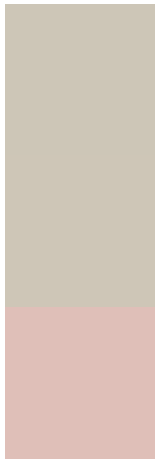


This preview shows how white text looks on a background with the CIELCh color 80, 8.374, 90.970.

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, 8.374, 90.970

Protanopia

80, 8.502, 88.526

Deuteranopia

80, 12.855, 36.992



Tritanopia
80, 9.715, 324.807

Trichromacy



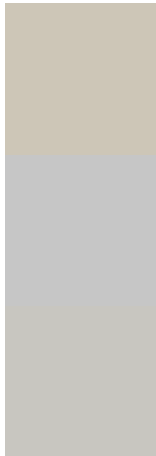
Original Color
80, 8.374, 90.970

Protanomaly
80, 8.502, 88.526

Deuteranomaly
80, 10.010, 48.368

Tritanomaly
80, 4.928, 354.128

Monochromacy



Original Color
80, 8.374, 90.970

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 3.259, 96.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 8.374, 90.970 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(205, 198, 183)` looks like.

```
.text, #text, p{  
    color:rgb(205, 198, 183)  
}
```

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(205, 198, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 198, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 8.374, 90.970 is called "border". The border property can be set on classes, ids or directly on the HTML element.

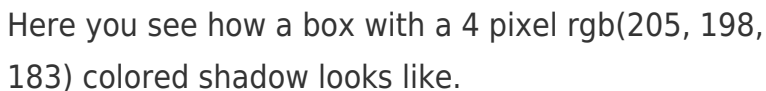
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 198, 183) }
```

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

```
.border{ border-color:rgb(205, 198, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 198, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 198, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 198, 183); box-shadow:4px 4px 4px 4px rgb(205, 198, 183) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 8.374, 90.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 198, 183) }
```

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

```
.background{ background-color: rgb(205,  
198, 183) }
```

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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