

Converting Colors

CIELCh(80, 5.798, 100.520)

Have a look what the booklet for
CIELCh(80, 5.798, 100.520) contains.

CIELCh(80, 5.874, 102.320)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 5.874, 102.320)

Conversions

Conversions Part 1

Format	Color
Hex	C9C7BC
RGB	201, 199, 188
RGB Percent	79%, 78%, 74%
CMY	0.2131, 0.2209, 0.2640
CMYK	0.00, 0.01, 0.06, 0.21
HSL	51°, 11%, 76%
HSV	51°, 6%, 79%
XYZ	53.3858, 56.6813, 55.5169
YIQ	198.3440, 4.7230, -2.9970

Conversions

Conversions Part 2

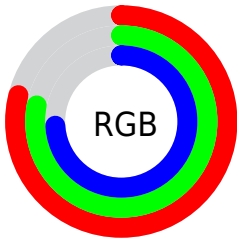
Format	Color
R _Y B	190, 201, 188
Decimal	13223868
CIE Lab	80.00, -1.25, 5.74
CIE LCh	80, 5.874, 102.320
Yxy	56.6813, 0.3224, 0.3423
Android (android.graphics.Color)	4291413948 (0xFFC9C7BC)
YUV	198.3440, -5.0996, 2.3293
Hunter-Lab	75.2870, -5.1783, 8.9802

Details

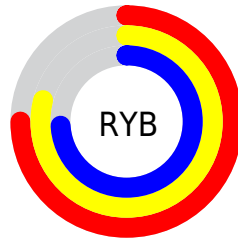
The CIELCh color `80, 5.874, 102.320` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `77, 5.943, 283.805`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 5.566, 109.748`, and `60, 5.672, 101.443` is the 20% darker color. If you saturate the color by 10%, you get `79, 14.993, 101.244`, and if you desaturate by 10%, it is `81, 3.202, 283.473`.

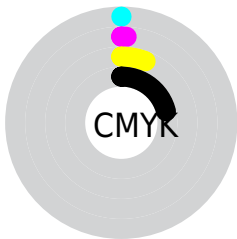
Distribution



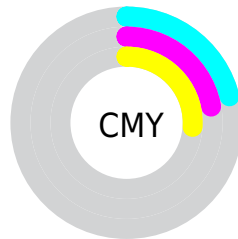
- Red (79%)
- Green (78%)
- Blue (74%)



- Red (75%)
- Yellow (79%)
- Blue (74%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (21%)



- Cyan (21%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 5.874, 102.320 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, 5.874, 102.320 by changing the saturation by 10% instead.

■ 80, 5.874, 102.320

■ 80, 5.874, 102.320

■ 100, 5.874,
102.320

■ 70, 5.874, 102.320

■ 60, 5.874, 102.320

■ 50, 5.874, 102.320

■ 40, 5.874, 102.320

■ 30, 5.874, 102.320

■ 20, 5.874, 102.320

■ 10, 5.874, 102.320

■ 0, 5.874, 102.320

■ 80, 5.874, 102.320

■ 80, 5.874, 102.320

79, 14.993,
101.244

81, 3.202, 283.473

78, 24.111,
100.116

83, 12.217,
284.475

76, 33.164, 98.968

84, 21.160,
285.461

75, 42.035, 97.813

85, 23.311,
283.812

74, 50.528, 96.661

86, 21.811,
280.387

73, 58.329, 95.522

72, 64.958, 94.397

87, 20.398,
276.492

71, 69.806, 93.278

87, 19.092,
272.065

71, 72.368, 92.130

88, 17.914,
267.048

89, 16.890,
261.401

Harmonies

Complementary

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



80, 5.874, 102.320



77, 5.943, 283.805

Rectangle

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



80, 5.874, 102.320



80, 5.874, 152.320



80, 5.874, 282.320



80, 5.874, 332.320

Sweetspot

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



80, 5.876, 102.336



100, 2.193, 102.768



77, 4.992, 6.298



53, 1.247, 102.775



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, 5.876, 102.336



99, 8.822, 102.162



80, 7.091, 122.711



41, 5.114, 102.026



58, 62.684, 91.909



11, 16.934, 96.255

Inverse Universe

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



77, 5.943, 283.805



94, 8.938, 283.996



77, 7.188, 303.395



39, 5.188, 284.148



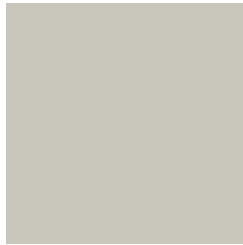
21, 87.109, 303.587



2, 19.211, 287.489

Previews

White Background



This preview shows how the CIELCh color 80, 5.874, 102.320 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, 5.874, 102.320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

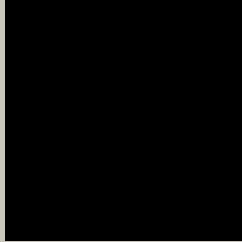
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

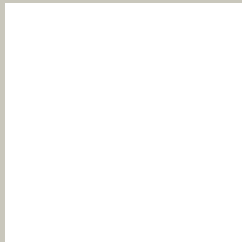
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 5.874, 102.320

Background



This preview shows how black text looks on a background with the CIELCh color 80, 5.874, 102.320.



This preview shows how white text looks on a background with the CIELCh color 80, 5.874, 102.320.

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, 5.874, 102.320

Protanopia

80, 6.241, 88.448

Deuteranopia

80, 11.131, 28.395



Tritanopia
80, 9.168, 311.526

Trichromacy



Original Color
80, 5.874, 102.320

Protanomaly
80, 6.117, 91.757

Deuteranomaly
80, 8.005, 39.199

Tritanomaly
80, 4.550, 324.573

Monochromacy



Original Color
80, 5.874, 102.320

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.146, 100.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 5.874, 102.320 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(201, 199, 188)` looks like.

```
.text, #text, p{  
    color:rgb(201, 199, 188)  
}
```

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(201, 199, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 199, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 5.874, 102.320 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(201, 199, 188) }
```

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

```
.border{ border-color:rgb(201, 199, 188) }
```

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

Here you see how a box with a 4 pixel rgb(201, 199, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 199, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 199, 188);  
box-shadow:4px 4px 4px 4px rgb(201, 199,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 5.874, 102.320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 199, 188) }
```

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

```
.background{ background-color: rgb(201,  
199, 188) }
```

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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