

Converting Colors

CIELCh(80, 5.533, 105.320)

Have a look what the booklet for
CIELCh(80, 5.533, 105.320) contains.

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Color

CIELCh(80, 5.842, 105.972)

Conversions

Conversions Part 1

Format	Color
Hex	C8C7BC
RGB	200, 199, 188
RGB Percent	78%, 78%, 74%
CMY	0.2161, 0.2201, 0.2632
CMYK	0.00, 0.00, 0.06, 0.22
HSL	55°, 10%, 76%
HSV	55°, 6%, 78%
XYZ	53.2484, 56.6813, 55.6444
YIQ	198.0450, 4.1270, -3.2090

Conversions

Conversions Part 2

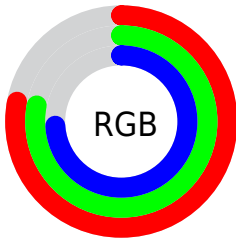
Format	Color
RYB	189, 200, 188
Decimal	13158332
CIELab	80.00, -1.61, 5.62
CIElCh	80, 5.842, 105.972
Yxy	56.6813, 0.3216, 0.3423
Android (android.graphics.Color)	4291348412 (0xFFC8C7BC)
YUV	198.0450, -4.9522, 1.7145
Hunter-Lab	75.2870, -5.5040, 8.8798

Details

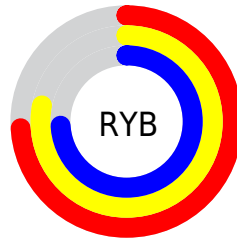
The CIELCh color $80, 5.842, 105.972$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $77, 5.922, 287.265$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 5.566, 109.748$, and $60, 5.633, 105.473$ is the 20% darker color. If you saturate the color by 10%, you get $79, 15.590, 104.961$, and if you desaturate by 10%, it is $81, 3.903, 287.040$.

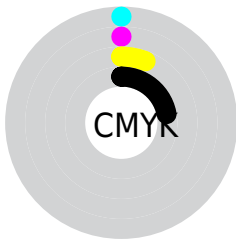
Distribution



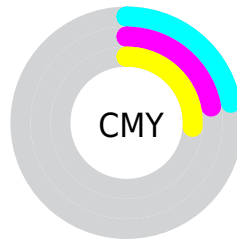
- Red (78%)
- Green (78%)
- Blue (74%)



- Red (74%)
- Yellow (78%)
- Blue (74%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 5.842, 105.972 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, 5.842, 105.972 by changing the saturation by 10% instead.

■ 80, 5.842, 105.972

■ 80, 5.842, 105.972

■ 100, 5.842,
105.972

■ 70, 5.842, 105.972

■ 60, 5.842, 105.972

■ 50, 5.842, 105.972

■ 40, 5.842, 105.972

■ 30, 5.842, 105.972

■ 20, 5.842, 105.972

■ 10, 5.842, 105.972

■ 0, 5.842, 105.972

■ 80, 5.842, 105.972

■ 80, 5.842, 105.972

79, 15.590,
104.961

81, 3.903, 287.040

78, 25.287,
103.912

82, 13.619,
288.000

77, 34.853,
102.859

83, 23.286,
288.937

77, 44.156,
101.817

84, 26.160,
288.378

76, 52.983,
100.806

84, 25.285,
286.925

75, 61.004, 99.849

84, 24.428,
285.374

75, 67.750, 98.967

85, 23.589,
283.717

74, 72.660, 98.178

85, 22.772,
281.944

74, 75.309, 97.483

86, 21.977,
280.046

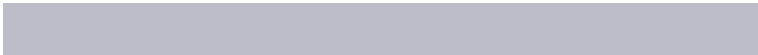
Harmonies

Complementary

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



80, 5.842, 105.972



77, 5.922, 287.265

Rectangle

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



80, 5.842, 105.972



80, 5.842, 155.972



80, 5.842, 285.972



80, 5.842, 335.972

Sweetspot

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



80, 5.844, 105.987



100, 2.364, 106.359



77, 4.516, 12.859



53, 1.344, 106.367



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, 5.844, 105.987



99, 8.306, 105.877



80, 6.650, 125.835



42, 4.400, 105.836



61, 65.441, 97.308



12, 18.418, 101.229

Inverse Universe

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



77, 5.922, 287.265



95, 8.430, 287.385



77, 6.728, 306.382



39, 4.468, 287.430



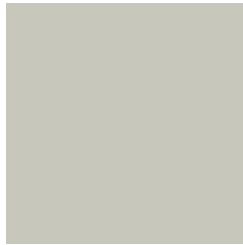
20, 91.829, 305.104



2, 20.254, 289.564

Previews

White Background



This preview shows how the CIELCh color 80, 5.842, 105.972 looks on a white background.

Color Contrast Check

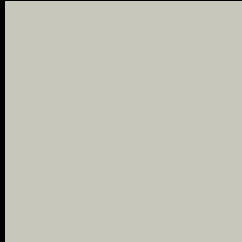
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 5.842, 105.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

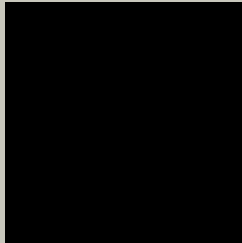
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

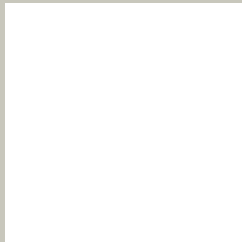
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 5.842, 105.972

Background



This preview shows how black text looks on a background with the CIELCh color 80, 5.842, 105.972.



This preview shows how white text looks on a background with the CIELCh color 80, 5.842, 105.972.

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, 5.842, 105.972

Protanopia

80, 5.909, 83.233

Deuteranopia

80, 11.131, 28.395



Tritanopia
80, 9.046, 309.391

Trichromacy



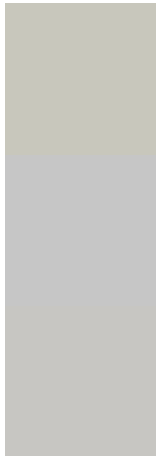
Original Color
80, 5.842, 105.972

Protanomaly
80, 6.117, 91.757

Deuteranomaly
80, 7.498, 44.874

Tritanomaly
80, 4.353, 320.599

Monochromacy



Original Color
80, 5.842, 105.972

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, 5.842, 105.972 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(200, 199, 188)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 199, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 199, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 5.842, 105.972 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(200, 199, 188) }
```

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

```
.border{ border-color:rgb(200, 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(200, 199, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 199, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 199, 188);  
box-shadow:4px 4px 4px 4px rgb(200, 199,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 5.842, 105.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 199, 188) }
```

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

```
.background{ background-color: rgb(200,  
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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