

Converting Colors

CIELCh(80, 9.226, 108.656)

Have a look what the booklet for
CIELCh(80, 9.226, 108.656) contains.

CIELCh(80, 9.020, 106.953)	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, 9.020, 106.953)

Conversions

Conversions Part 1

Format	Color
Hex	C8C7B6
RGB	200, 199, 182
RGB Percent	78%, 78%, 71%
CMY	0.2146, 0.2185, 0.2852
CMYK	0.00, 0.00, 0.09, 0.21
HSL	57°, 14%, 75%
HSV	57°, 9%, 79%
XYZ	52.8531, 56.6813, 52.5593
YIQ	197.3610, 6.0530, -5.0750

Conversions

Conversions Part 2

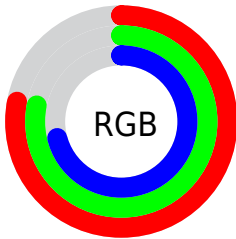
Format	Color
RYB	183, 200, 182
Decimal	13158326
CIELab	80.00, -2.63, 8.63
CIELCh	80, 9.020, 106.953
Yxy	56.6813, 0.3261, 0.3497
Android (android.graphics.Color)	4291348406 (0xFFC8C7B6)
YUV	197.3610, -7.5730, 2.3144
Hunter-Lab	75.2870, -6.4413, 11.3094

Details

The CIELCh color **80, 9.020, 106.953** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75, 9.194, 288.833**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 8.605, 109.524**, and **60, 8.999, 106.568** is the 20% darker color. If you saturate the color by 10%, you get **79, 19.039, 105.952**, and if you desaturate by 10%, it is **81, 1.025, 288.054**.

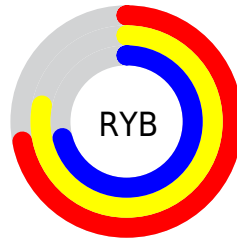
Distribution



Red (78%)

Green (78%)

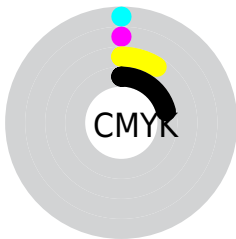
Blue (71%)



Red (72%)

Yellow (78%)

Blue (71%)

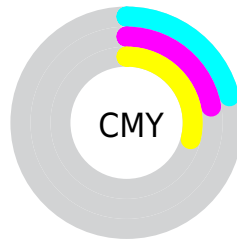


Cyan (0%)

Magenta (0%)

Yellow (9%)

Black (21%)



Cyan (21%)

Magenta (22%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 9.020, 106.953 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, 9.020, 106.953 by changing the saturation by 10% instead.

■ 80, 9.020, 106.953

■ 80, 9.020, 106.953

■ 100, 9.020,
106.953

■ 70, 9.020, 106.953

■ 60, 9.020, 106.953

■ 50, 9.020, 106.953

■ 40, 9.020, 106.953

■ 30, 9.020, 106.953

■ 20, 9.020, 106.953

■ 10, 9.020, 106.953

■ 0, 9.020, 106.953

■ 80, 9.020, 106.953

■ 80, 9.020, 106.953

79, 19.039,
105.952

81, 1.025, 288.054

79, 28.963,
104.931

82, 11.061,
288.946

78, 38.695,
103.917

83, 21.063,
289.877

77, 48.073,
102.929

83, 27.126,
290.127

77, 56.844,
101.990

84, 26.527,
289.237

76, 64.633,
101.129

84, 25.934,
288.308

76, 70.936,
100.375

84, 25.349,
287.338

76, 75.225, 99.749

84, 24.771,
286.324

75, 77.401, 99.244

85, 24.201,
285.265

Harmonies

Complementary

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



80, 9.020, 106.953



75, 9.194, 288.833

Rectangle

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



80, 9.020, 106.953



80, 9.020, 156.953



80, 9.020, 286.953



80, 9.020, 336.953

Sweetspot

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



80, 9.022, 106.963



100, 3.656, 107.540



76, 6.828, 14.494



53, 2.773, 107.465



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, 9.022, 106.963



99, 13.431, 106.746



80, 10.017, 126.295



42, 5.659, 106.924



62, 66.683, 99.252



13, 19.029, 102.931

Inverse Universe

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



75, 9.194, 288.833



91, 13.740, 289.082



75, 10.166, 307.128



39, 5.771, 288.877



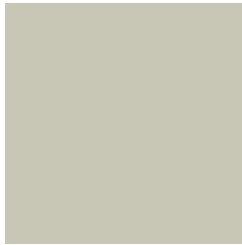
19, 93.188, 305.516



2, 20.669, 290.320

Previews

White Background



This preview shows how the CIELCh color 80, 9.020, 106.953 looks on a white background.

Color Contrast Check

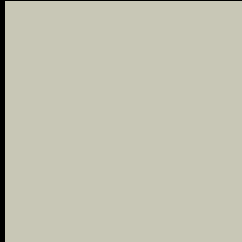
Large Text (above 18pt) WCAG AA × Fail

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, 9.020, 106.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

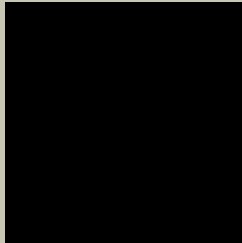
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

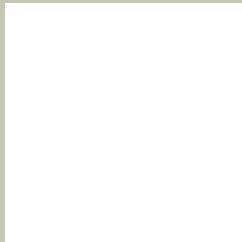
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 9.020, 106.953

Background



This preview shows how black text looks on a background with the CIELCh color 80, 9.020, 106.953.



This preview shows how white text looks on a background with the CIELCh color 80, 9.020, 106.953.

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, 9.020, 106.953

Protanopia

80, 9.505, 90.653

Deuteranopia

80, 12.855, 36.992



Tritanopia
80, 9.168, 311.526

Trichromacy



Original Color
80, 9.020, 106.953

Protanomaly
80, 9.291, 95.137

Deuteranomaly
80, 9.937, 55.721

Tritanomaly
80, 3.081, 335.756

Monochromacy



Original Color
80, 9.020, 106.953

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 3.199, 103.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 9.020, 106.953 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(200, 199, 182)  
}
```

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, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 199, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 9.020, 106.953 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, 182) }
```

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

```
.border{ border-color:rgb(200, 199, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 199, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 199, 182);  
box-shadow:4px 4px 4px 4px rgb(200, 199,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 9.020, 106.953 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, 182) }
```

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

```
.background{ background-color: rgb(200,  
199, 182) }
```

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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