

Converting Colors

CIELCh(79, 20.075, 120.772)

Have a look what the booklet for
CIELCh(79, 20.075, 120.772)
contains.

CIELCh(79, 20.070, 120.635)	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(79, 20.070, 120.635)

Conversions

Conversions Part 1

Format	Color
Hex	BDC8A3
RGB	189, 200, 163
RGB Percent	74%, 78%, 64%
CMY	0.2578, 0.2147, 0.3598
CMYK	0.05, 0.00, 0.18, 0.21
HSL	78°, 25%, 71%
HSV	78°, 18%, 79%
XYZ	48.3929, 54.9284, 42.8153
YIQ	192.4930, 5.3210, -13.8390

Conversions

Conversions Part 2

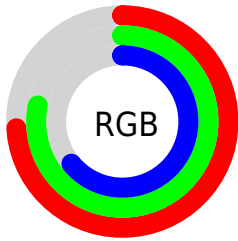
Format	Color
RYB	163, 200, 174
Decimal	12437667
CIELab	79.00, -10.23, 17.27
CIELCh	79, 20.070, 120.635
Yxy	54.9284, 0.3311, 0.3759
Android (android.graphics.Color)	4290627747 (0xFFBDC8A3)
YUV	192.4930, -14.5400, -3.0634
Hunter-Lab	74.1137, -13.1464, 17.6279

Details

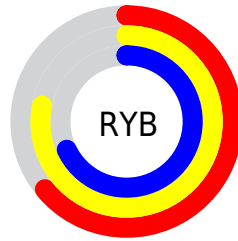
The CIELCh color **79, 20.070, 120.635** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **69, 20.798, 302.868**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 19.107, 119.799**, and **59, 20.150, 121.018** is the 20% darker color. If you saturate the color by 10%, you get **78, 30.814, 120.048**, and if you desaturate by 10%, it is **80, 9.221, 121.225**.

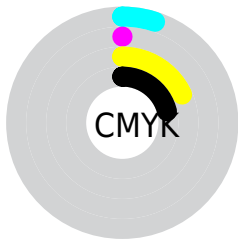
Distribution



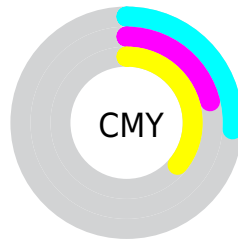
- Red (74%)
- Green (78%)
- Blue (64%)



- Red (64%)
- Yellow (78%)
- Blue (68%)



- Cyan (5%)
- Magenta (0%)
- Yellow (18%)
- Black (21%)





- Cyan (26%)
- Magenta (21%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 20.070, 120.635 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 79, 20.070, 120.635 by changing the saturation by 10% instead.


 79, 20.070,
120.635


 79, 20.070,
120.635


 100, 20.070,
120.635


 69, 20.070,
120.635


 99, 20.070,
120.635

 59, 20.070,
120.635

 49, 20.070,
120.635

 39, 20.070,
120.635

 29, 20.070,
120.635

 19, 20.070,
120.635

 9, 20.070, 120.635

79, 20.070,
120.635

79, 20.070,
120.635

78, 30.814,
120.048

80, 9.221, 121.225

77, 41.337,
119.477

81, 1.660, 301.757

77, 51.471,
118.958

82, 12.520,
302.320

76, 60.970,
118.546

83, 23.318,
302.827

76, 69.476,
118.316

84, 29.726,
304.693

75, 76.529,
118.369

84, 30.200,
308.445

85, 30.794,

■ 75, 81.659,
118.814

312.111

■ 74, 84.767,
119.688

■ 85, 31.506,
315.666

■ 74, 85.177,
119.829

■ 86, 32.330,
319.090

Harmonies

Complementary

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



79, 20.070, 120.635



69, 20.798, 302.868

Rectangle

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



79, 20.070, 120.635



79, 20.070, 170.635



79, 20.070, 300.635



79, 20.070, 350.635

Sweetspot

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



79, 20.072, 120.638



99, 7.933, 121.365



73, 11.902, 48.442



53, 5.263, 121.326



0, 0.000, 0.000



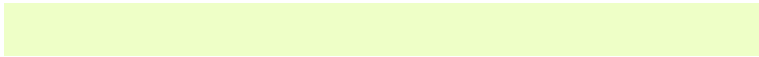
53, 0.007, 296.813

Same Dimension

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



79, 20.072, 120.638



98, 29.037, 120.412



78, 22.639, 137.430



42, 6.131, 121.173



62, 73.077, 119.616



12, 21.333, 122.634

Inverse Universe

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



69, 20.798, 302.868



83, 30.325, 303.147



71, 22.859, 319.111



39, 6.246, 302.254



21, 92.932, 308.376



2, 21.806, 299.529

Previews

White Background



This preview shows how the CIELCh color 79, 20.070, 120.635 looks on a white background.

Color Contrast Check

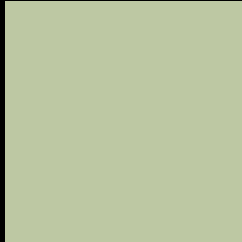
Large Text (above 18pt) WCAG AA × Fail

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 79, 20.070, 120.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

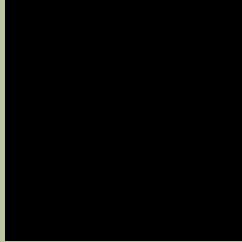
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

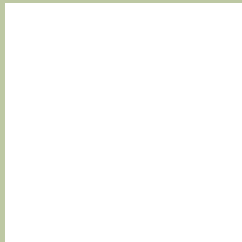
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 20.070, 120.635

Background



This preview shows how black text looks on a background with the CIELCh color 79, 20.070, 120.635.



This preview shows how white text looks on a background with the CIELCh color 79, 20.070, 120.635.

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

79, 20.070, 120.635

Protanopia

79, 18.668, 93.796

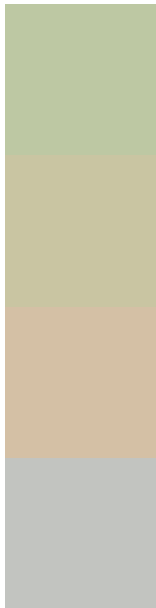
Deuteranopia

79, 18.920, 58.170



Tritanopia
79, 8.065, 295.980

Trichromacy



Original Color
79, 20.070, 120.635

Protanomaly
79, 18.615, 103.636

Deuteranomaly
79, 16.426, 80.157

Tritanomaly
79, 2.256, 129.033

Monochromacy



Original Color
79, 20.070, 120.635

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 7.616, 120.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 20.070, 120.635 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(189, 200, 163)` looks like.

```
.text, #text, p{  
    color:rgb(189, 200, 163)  
}
```

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(189, 200, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 200, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 20.070, 120.635 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(189, 200, 163) }
```

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

```
.border{ border-color:rgb(189, 200, 163) }
```

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

Here you see how a box with a 4 pixel rgb(189, 200, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 200, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 200, 163);  
box-shadow:4px 4px 4px 4px rgb(189, 200,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 20.070, 120.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 200, 163) }
```

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

```
.background{ background-color: rgb(189,  
200, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor