

Converting Colors

CIELCh(80, 31.720, 163.575)

Have a look what the booklet for
CIELCh(80, 31.720, 163.575)
contains.

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Color

CIELCh(80, 31.728, 163.553)

Conversions

Conversions Part 1

Format	Color
Hex	8BD6B5
RGB	139, 214, 181
RGB Percent	55%, 84%, 71%
CMY	0.4563, 0.1622, 0.2916
CMYK	0.35, 0.00, 0.15, 0.16
HSL	154°, 48%, 69%
HSV	154°, 35%, 84%
XYZ	42.8411, 56.6813, 52.2032
YIQ	187.8130, -34.1070, -26.1630

Conversions

Conversions Part 2

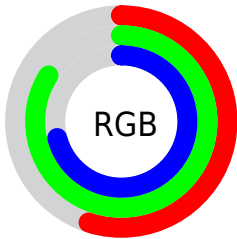
Format	Color
RYB	139, 187, 214
Decimal	9164469
CIELab	80.00, -30.43, 8.98
CIELCh	80, 31.728, 163.553
Yxy	56.6813, 0.2824, 0.3736
Android (android.graphics.Color)	4287354549 (0xFF8BD6B5)
YUV	187.8130, -3.3588, -42.8090
Hunter-Lab	75.2870, -30.1792, 11.5898

Details

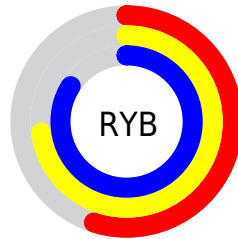
The CIELCh color **80, 31.728, 163.553** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **66, 33.611, 350.649**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.468, 173.682**, and **60, 31.945, 163.442** is the 20% darker color. If you saturate the color by 10%, you get **79, 40.115, 162.293**, and if you desaturate by 10%, it is **81, 22.933, 164.679**.

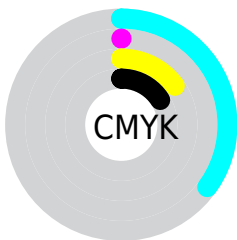
Distribution



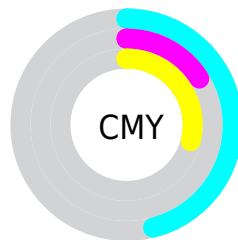
- Red (55%)
- Green (84%)
- Blue (71%)



- Red (55%)
- Yellow (73%)
- Blue (84%)



- Cyan (35%)
- Magenta (0%)
- Yellow (15%)
- Black (16%)





- Cyan (46%)
- Magenta (16%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 31.728, 163.553 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, 31.728, 163.553 by changing the saturation by 10% instead.


 80, 31.728,
163.553


 80, 31.728,
163.553


 100, 31.728,
163.553


 70, 31.728,
163.553


 60, 31.728,
163.553

 50, 31.728,
163.553

 40, 31.728,
163.553

 30, 31.728,
163.553

 20, 31.728,
163.553

 10, 31.728,

163.553

■ 0, 31.728, 163.553

■ 80, 31.728,
163.553

■ 80, 31.728,
163.553

■ 79, 40.115,
162.293

■ 81, 22.933,
164.679

■ 78, 47.936,
160.876

■ 83, 13.876,
165.700

■ 77, 55.047,
159.276

■ 85, 4.692, 166.679


■ 76, 61.338,
157.472


■ 86, 4.507, 347.321


■ 76, 66.759,
155.454


■ 88, 13.635,
348.161

■ 90, 19.168,
341.582

 76, 71.342,
153.234

 90, 22.464,
331.807

 76, 73.390,
152.133

 90, 25.924,
325.327

Harmonies

Complementary

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



80, 31.728, 163.553



66, 33.611, 350.649

Rectangle

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



80, 31.728, 163.553



80, 31.728, 213.553



80, 31.728, 343.553



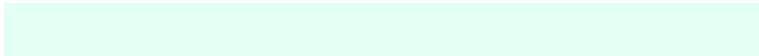
80, 31.728, 33.553

Sweetspot

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



80, 31.729, 163.552



98, 11.679, 166.088



81, 42.239, 129.177



52, 7.845, 165.956



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, 31.729, 163.552



93, 43.337, 162.645



80, 23.042, 202.819



44, 5.232, 166.250



62, 61.668, 152.520



15, 22.036, 157.577

Inverse Universe

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



66, 33.611, 350.649



74, 46.396, 351.666



66, 29.635, 26.235



42, 5.317, 347.801



36, 62.544, 7.478



5, 23.001, 358.200

Previews

White Background



This preview shows how the CIELCh color 80, 31.728, 163.553 looks on a white background.

Color Contrast Check

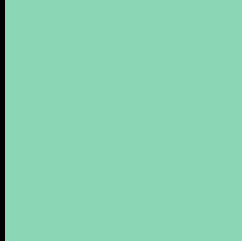
Large Text (above 18pt) WCAG AA × Fail

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, 31.728, 163.553 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, 31.728, 163.553

Background



This preview shows how black text looks on a background with the CIELCh color 80, 31.728, 163.553.

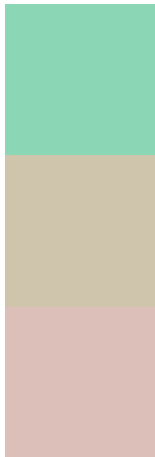


This preview shows how white text looks on a background with the CIELCh color 80, 31.728, 163.553.

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, 31.728, 163.553

Protanopia
80, 13.812, 92.668

Deuteranopia
80, 11.927, 35.644



Tritanopia
80, 20.748, 222.618

Trichromacy



Original Color
80, 31.728, 163.553



Protanomaly
79, 16.886, 136.680



Deuteranomaly
79, 9.041, 128.730



Tritanomaly
80, 21.624, 195.018

Monochromacy



Original Color
80, 31.728, 163.553



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 12.131, 166.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 31.728, 163.553 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(139, 214, 181)` looks like.

```
.text, #text, p{  
    color:rgb(139, 214, 181)  
}
```

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(139, 214, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 214, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 31.728, 163.553 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(139, 214, 181) }
```

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

```
.border{ border-color:rgb(139, 214, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 214, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 214, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 214, 181);  
box-shadow:4px 4px 4px 4px rgb(139, 214,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 31.728, 163.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 214, 181) }
```

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

```
.background{ background-color: rgb(139,  
214, 181) }
```

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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