

Converting Colors

CIELCh(80, 41.641, 155.294)

Have a look what the booklet for
CIELCh(80, 41.641, 155.294)
contains.

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Color

CIELCh(80, 41.331, 155.731)

Conversions

Conversions Part 1

Format	Color
Hex	80D8A5
RGB	128, 216, 165
RGB Percent	50%, 85%, 65%
CMY	0.4964, 0.1513, 0.3514
CMYK	0.41, 0.00, 0.24, 0.15
HSL	145°, 53%, 68%
HSV	145°, 41%, 85%
XYZ	40.4566, 56.6813, 44.5971
YIQ	183.8740, -36.0770, -34.5170

Conversions

Conversions Part 2

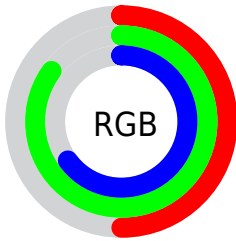
Format	Color
RYB	128, 190, 216
Decimal	8444069
CIELab	80.00, -37.68, 16.99
CIElCh	80, 41.331, 155.731
Yxy	56.6813, 0.2854, 0.3999
Android (android.graphics.Color)	4286634149 (0xFF80D8A5)
YUV	183.8740, -9.3049, -49.0015
Hunter-Lab	75.2870, -35.8325, 17.5798

Details

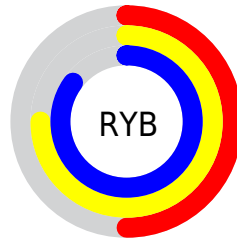
The CIELCh color **80, 41.331, 155.731** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **65, 42.567, 343.240**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 30.518, 161.438**, and **60, 41.574, 155.609** is the 20% darker color. If you saturate the color by 10%, you get **79, 50.752, 154.426**, and if you desaturate by 10%, it is **81, 31.448, 156.875**.

Distribution



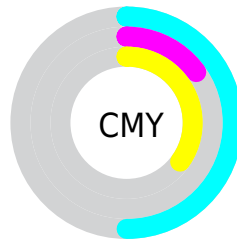
- Red (50%)
- Green (85%)
- Blue (65%)



- Red (50%)
- Yellow (75%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (24%)
- Black (15%)





- Cyan (50%)
- Magenta (15%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 41.331, 155.731 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, 41.331, 155.731 by changing the saturation by 10% instead.


 80, 41.331,
155.731


 80, 41.331,
155.731


 100, 41.331,
155.731


 70, 41.331,
155.731

 60, 41.331,
155.731

 50, 41.331,
155.731

 40, 41.331,
155.731

 30, 41.331,
155.731

 20, 41.331,
155.731

 10, 41.331,

155.731

■ 0, 41.331, 155.731

■ 80, 41.331,
155.731

■ 80, 41.331,
155.731

■ 79, 50.752,
154.426

■ 81, 31.448,
156.875

■ 78, 59.527,
152.936

■ 83, 21.276,
157.884

■ 77, 67.494,
151.245

■ 84, 10.975,
158.788

■ 77, 74.534,
149.346

■ 86, 0.676, 160.134

■ 76, 80.598,
147.257

■ 88, 9.516, 340.208

■ 90, 18.650,
338.434

■ 76, 85.483,
145.231

■ 91, 23.421,
326.533

■ 91, 24.160,
325.266

Harmonies

Complementary

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



80, 41.331, 155.731



65, 42.567, 343.240

Rectangle

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



80, 41.331, 155.731



80, 41.331, 205.731



80, 41.331, 335.731



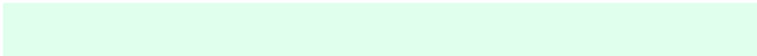
80, 41.331, 25.731

Sweetspot

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



80, 41.332, 155.730



97, 14.109, 158.662



82, 47.605, 124.084



52, 9.360, 158.546



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, 41.332, 155.730



92, 56.184, 154.593



81, 28.577, 189.496



44, 5.788, 158.897



61, 71.061, 145.621



14, 25.079, 150.714

Inverse Universe

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



65, 42.567, 343.240



71, 57.931, 344.280



63, 36.398, 17.204



42, 5.840, 340.279



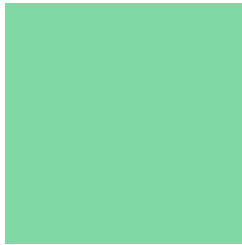
37, 64.251, 354.453



5, 24.491, 348.745

Previews

White Background



This preview shows how the CIELCh color 80, 41.331, 155.731 looks on a white background.

Color Contrast Check

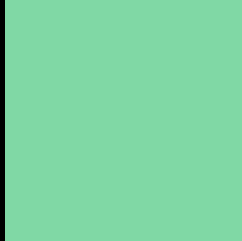
Large Text (above 18pt) WCAG AA × Fail

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, 41.331, 155.731 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, 41.331, 155.731

Background



This preview shows how black text looks on a background with the CIELCh color 80, 41.331, 155.731.

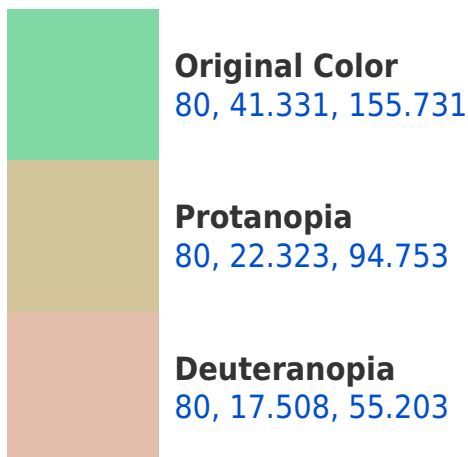


This preview shows how white text looks on a background with the CIELCh color 80, 41.331, 155.731.

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





Tritanopia
80, 22.415, 222.113

Trichromacy



Original Color
80, 41.331, 155.731



Protanomaly
79, 25.552, 129.238



Deuteranomaly
79, 16.807, 120.540

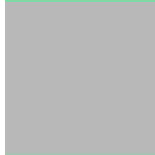


Tritanomaly
80, 24.960, 187.705

Monochromacy



Original Color
80, 41.331, 155.731



Achromatopsia
75, 0.009, 296.813



Achromatomaly
76, 15.676, 157.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 41.331, 155.731 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(128, 216, 165)` looks like.

```
.text, #text, p{  
    color:rgb(128, 216, 165)  
}
```

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(128, 216, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 216, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 41.331, 155.731 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(128, 216, 165) }
```

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

```
.border{ border-color:rgb(128, 216, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 216, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 216, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 216, 165);  
box-shadow:4px 4px 4px 4px rgb(128, 216,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 41.331, 155.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 216, 165) }
```

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

```
.background{ background-color: rgb(128,  
216, 165) }
```

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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