

Converting Colors

CIELCh(80, 33.587, 161.255)

Have a look what the booklet for
CIELCh(80, 33.587, 161.255)
contains.

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Color

CIELCh(80, 33.613, 161.207)

Conversions

Conversions Part 1

Format	Color
Hex	89D6B1
RGB	137, 214, 177
RGB Percent	54%, 84%, 69%
CMY	0.4622, 0.1602, 0.3053
CMYK	0.36, 0.00, 0.17, 0.16
HSL	151°, 49%, 69%
HSV	151°, 36%, 84%
XYZ	42.3763, 56.6813, 50.3787
YIQ	186.7590, -34.0150, -27.8310

Conversions

Conversions Part 2

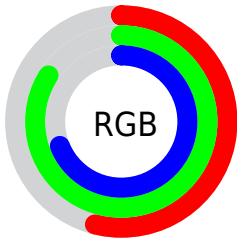
Format	Color
RYB	137, 188, 214
Decimal	9033393
CIELab	80.00, -31.82, 10.83
CIELCh	80, 33.613, 161.207
Yxy	56.6813, 0.2836, 0.3793
Android (android.graphics.Color)	4287223473 (0xFF89D6B1)
YUV	186.7590, -4.8112, -43.6386
Hunter-Lab	75.2870, -31.2810, 13.0267

Details

The CIELCh color **80, 33.613, 161.207** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **66, 35.271, 348.278**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 24.092, 169.917**, and **60, 33.906, 160.913** is the 20% darker color. If you saturate the color by 10%, you get **79, 42.325, 159.943**, and if you desaturate by 10%, it is **81, 24.497, 162.330**.

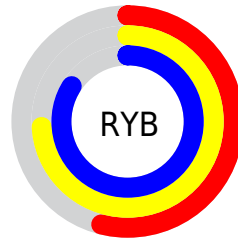
Distribution



Red (54%)

Green (84%)

Blue (69%)



Red (54%)

Yellow (74%)

Blue (84%)

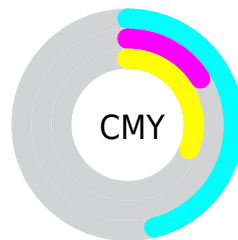


Cyan (36%)

Magenta (0%)

Yellow (17%)

Black (16%)



Cyan (46%)


Magenta (16%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 33.613, 161.207 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, 33.613, 161.207 by changing the saturation by 10% instead.


 80, 33.613,
161.207


 80, 33.613,
161.207


 100, 33.613,
161.207


 70, 33.613,
161.207


 60, 33.613,
161.207

 50, 33.613,
161.207

 40, 33.613,
161.207

 30, 33.613,
161.207

 20, 33.613,
161.207

 10, 33.613,

161.207

0, 33.613, 161.207

80, 33.613,
161.207

80, 33.613,
161.207

79, 42.325,
159.943

81, 24.497,
162.330

78, 50.469,
158.514

83, 15.129,
163.340

77, 57.895,
156.896

85, 5.648, 164.289

76, 64.489,
155.070

86, 3.832, 344.917

88, 13.222,
345.746

76, 70.197,
153.029

90, 19.448,
339.587

■ 76, 75.052,
150.796

■ 90, 23.211,
329.543

■ 76, 76.870,
149.896

■ 90, 25.590,
325.316

Harmonies

Complementary

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



80, 33.613, 161.207



66, 35.271, 348.278

Rectangle

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



80, 33.613, 161.207



80, 33.613, 211.207



80, 33.613, 341.207



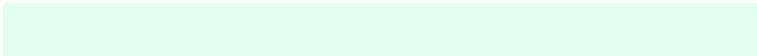
80, 33.613, 31.207

Sweetspot

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



80, 33.614, 161.206



98, 12.022, 163.801



81, 42.948, 127.975



52, 8.078, 163.672



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, 33.614, 161.206



93, 45.824, 160.277



81, 24.371, 199.324



44, 5.384, 163.959



61, 64.449, 150.285



14, 22.923, 155.369

Inverse Universe

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



66, 35.271, 348.278



73, 48.462, 349.264



65, 31.422, 23.874



42, 5.459, 345.464



36, 62.640, 3.570



5, 23.341, 355.564

Previews

White Background



This preview shows how the CIELCh color 80, 33.613, 161.207 looks on a white background.

Color Contrast Check

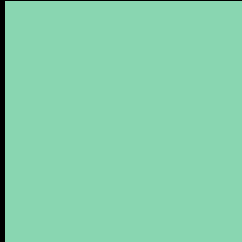
Large Text (above 18pt) WCAG AA × Fail

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, 33.613, 161.207 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

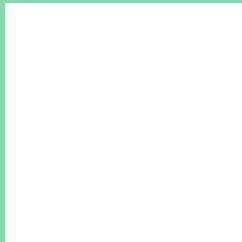
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 33.613, 161.207

Background



This preview shows how black text looks on a background with the CIELCh color 80, 33.613, 161.207.

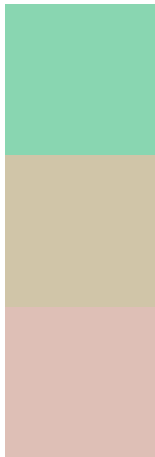


This preview shows how white text looks on a background with the CIELCh color 80, 33.613, 161.207.

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, 33.613, 161.207

Protanopia
80, 15.965, 93.160

Deuteranopia
80, 12.886, 41.882



Tritanopia
80, 20.748, 222.618

Trichromacy



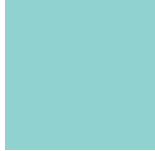
Original Color
80, 33.613, 161.207



Protanomaly
79, 18.791, 133.655



Deuteranomaly
79, 10.558, 125.819

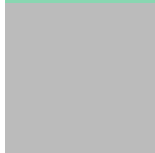


Tritanomaly
80, 22.015, 193.636

Monochromacy



Original Color
80, 33.613, 161.207



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 12.776, 162.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 33.613, 161.207 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(137, 214, 177)` looks like.

```
.text, #text, p{  
    color:rgb(137, 214, 177)  
}
```

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(137, 214, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 214, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 33.613, 161.207 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(137, 214, 177) }
```

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

```
.border{ border-color:rgb(137, 214, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 214, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 214, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 214, 177);  
box-shadow:4px 4px 4px 4px rgb(137, 214,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 33.613, 161.207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 214, 177) }
```

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

```
.background{ background-color: rgb(137,  
214, 177) }
```

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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