

Converting Colors

CIELCh(80, 33.571, 161.576)

Have a look what the booklet for
CIELCh(80, 33.571, 161.576)
contains.

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Color

CIELCh(80, 33.263, 161.908)

Conversions

Conversions Part 1

Format	Color
Hex	89D6B2
RGB	137, 214, 178
RGB Percent	54%, 84%, 70%
CMY	0.4624, 0.1604, 0.3016
CMYK	0.36, 0.00, 0.17, 0.16
HSL	152°, 48%, 69%
HSV	152°, 36%, 84%
XYZ	42.4438, 56.6813, 50.8676
YIQ	186.8730, -34.3360, -27.5200

Conversions

Conversions Part 2

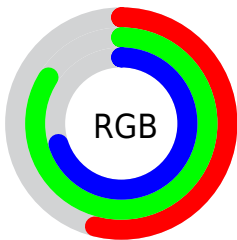
Format	Color
RYB	137, 187, 214
Decimal	9033394
CIELab	80.00, -31.62, 10.33
CIELCh	80, 33.263, 161.908
Yxy	56.6813, 0.2830, 0.3779
Android (android.graphics.Color)	4287223474 (0xFF89D6B2)
YUV	186.8730, -4.3744, -43.7386
Hunter-Lab	75.2870, -31.1211, 12.6416

Details

The CIELCh color **80, 33.263, 161.908** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **66, 35.020, 349.061**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.817, 170.971**, and **60, 33.528, 161.643** is the 20% darker color. If you saturate the color by 10%, you get **79, 41.860, 160.640**, and if you desaturate by 10%, it is **81, 24.257, 163.035**.

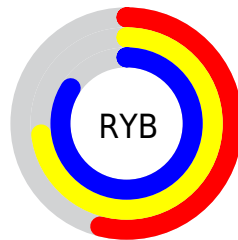
Distribution



Red (54%)

Green (84%)

Blue (70%)



Red (54%)

Yellow (73%)

Blue (84%)

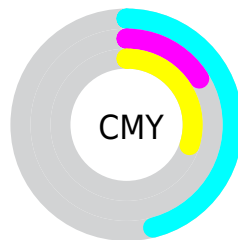


Cyan (36%)

Magenta (0%)

Yellow (17%)

Black (16%)



Cyan (46%)


Magenta (16%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 33.263, 161.908 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, 33.263, 161.908 by changing the saturation by 10% instead.


 80, 33.263,
161.908


 80, 33.263,
161.908


 100, 33.263,
161.908


 70, 33.263,
161.908


 60, 33.263,
161.908

 50, 33.263,
161.908

 40, 33.263,
161.908

 30, 33.263,
161.908

 20, 33.263,
161.908

 10, 33.263,

161.908

■ 0, 33.263, 161.908

■ 80, 33.263,
161.908

■ 80, 33.263,
161.908

■ 79, 41.860,
160.640

■ 81, 24.257,
163.035

■ 78, 49.885,
159.210

■ 83, 14.991,
164.053

■ 77, 57.191,
157.591

■ 85, 5.605, 165.010

■ 76, 63.667,
155.764

■ 86, 3.788, 345.642

■ 76, 69.263,
153.723

■ 88, 13.099,
346.483

■ 90, 19.242,
340.446

■ 76, 74.013,
151.488

■ 90, 22.844,
330.383

■ 76, 75.788,
150.588

■ 90, 25.631,
325.317

Harmonies

Complementary

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



80, 33.263, 161.908



66, 35.020, 349.061

Rectangle

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



80, 33.263, 161.908



80, 33.263, 211.908



80, 33.263, 341.908



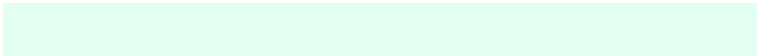
80, 33.263, 31.908

Sweetspot

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



80, 33.264, 161.907



98, 11.911, 164.518



81, 42.950, 127.975



52, 8.002, 164.388



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, 33.264, 161.907



93, 45.328, 160.977



81, 24.371, 199.323



44, 5.335, 164.678



62, 63.562, 150.978



14, 22.638, 156.057

Inverse Universe

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



66, 35.020, 349.061



73, 48.136, 350.067



65, 31.425, 23.875



42, 5.413, 346.198



36, 62.572, 4.814



5, 23.225, 356.419

Previews

White Background



This preview shows how the CIELCh color 80, 33.263, 161.908 looks on a white background.

Color Contrast Check

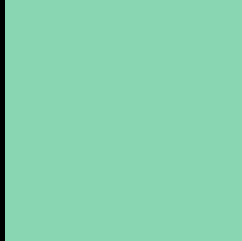
Large Text (above 18pt) WCAG AA × Fail

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, 33.263, 161.908 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

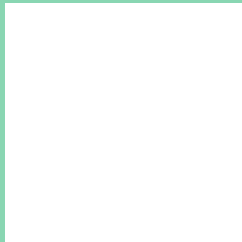
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 33.263, 161.908

Background



This preview shows how black text looks on a background with the CIELCh color 80, 33.263, 161.908.



This preview shows how white text looks on a background with the CIELCh color 80, 33.263, 161.908.

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, 33.263, 161.908

Protanopia
80, 15.349, 94.115

Deuteranopia
80, 12.673, 39.721



Tritanopia
80, 21.004, 222.285

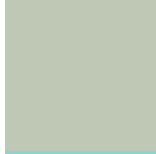
Trichromacy



Original Color
80, 33.263, 161.908



Protanomaly
79, 18.311, 134.355



Deuteranomaly
79, 10.050, 126.696

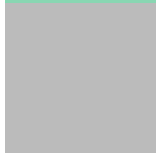


Tritanomaly
80, 22.304, 193.669

Monochromacy



Original Color
80, 33.263, 161.908



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 12.446, 164.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 33.263, 161.908 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(137, 214, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 214, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 33.263, 161.908 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, 178) }
```

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

```
.border{ border-color:rgb(137, 214, 178) }
```

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, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 214, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 214, 178);  
box-shadow:4px 4px 4px 4px rgb(137, 214,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 33.263, 161.908 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, 178) }
```

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

```
.background{ background-color: rgb(137,  
214, 178) }
```

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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