

Converting Colors

CIELCh(80, 33.457, 154.348)

Have a look what the booklet for
CIELCh(80, 33.457, 154.348)
contains.

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Color

CIELCh(80, 33.416, 154.058)

Conversions

Conversions Part 1

Format	Color
Hex	92D5AA
RGB	146, 213, 170
RGB Percent	57%, 84%, 67%
CMY	0.4270, 0.1642, 0.3329
CMYK	0.31, 0.00, 0.20, 0.16
HSL	141°, 44%, 70%
HSV	141°, 31%, 84%
XYZ	42.9689, 56.6813, 46.7659
YIQ	188.0650, -26.1290, -27.5770

Conversions

Conversions Part 2

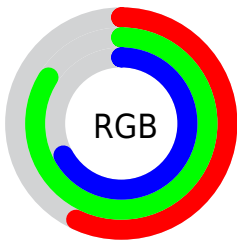
Format	Color
RYB	146, 195, 213
Decimal	9622954
CIELab	80.00, -30.05, 14.62
CIELCh	80, 33.416, 154.058
Yxy	56.6813, 0.2935, 0.3871
Android (android.graphics.Color)	4287813034 (0xFF92D5AA)
YUV	188.0650, -8.9060, -36.8910
Hunter-Lab	75.2870, -29.8761, 15.8718

Details

The CIELCh color **80, 33.416, 154.058** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **68, 33.981, 339.202**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 24.443, 158.966**, and **60, 33.325, 154.197** is the 20% darker color. If you saturate the color by 10%, you get **79, 43.696, 152.935**, and if you desaturate by 10%, it is **81, 22.856, 155.040**.

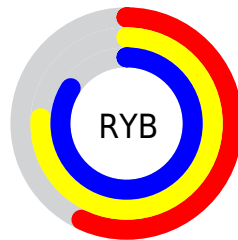
Distribution



Red (57%)

Green (84%)

Blue (67%)



Red (57%)

Yellow (76%)

Blue (84%)

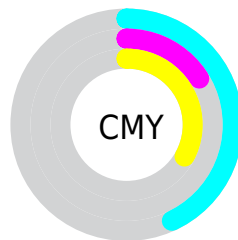


Cyan (31%)

Magenta (0%)

Yellow (20%)

Black (16%)



Cyan (43%)


Magenta (16%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 33.416, 154.058 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, 33.416, 154.058 by changing the saturation by 10% instead.


 80, 33.416,
154.058


 80, 33.416,
154.058


 100, 33.416,
154.058


 70, 33.416,
154.058

 60, 33.416,
154.058

 50, 33.416,
154.058

 40, 33.416,
154.058

 30, 33.416,
154.058

 20, 33.416,
154.058

 10, 33.416,

154.058

■ 0, 33.416, 154.058

■ 80, 33.416,
154.058

■ 80, 33.416,
154.058

■ 79, 43.696,
152.935

■ 81, 22.856,
155.040

■ 78, 53.502,
151.647

■ 83, 12.177,
155.911

■ 77, 62.643,
150.175

■ 85, 1.519, 156.881

■ 76, 70.937,
148.505

■ 87, 9.013, 337.263

■ 75, 78.247,
146.642

■ 89, 19.341,
337.885

■ 90, 25.071,
327.219

■ 75, 84.497,
144.616

■ 90, 26.236,
325.338

■ 75, 89.080,
142.856

Harmonies

Complementary

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



80, 33.416, 154.058



68, 33.981, 339.202

Rectangle

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



80, 33.416, 154.058



80, 33.416, 204.058



80, 33.416, 334.058



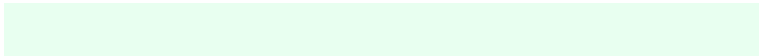
80, 33.416, 24.058

Sweetspot

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



80, 33.417, 154.057



98, 11.070, 156.104



82, 36.070, 121.970



52, 7.697, 155.983



0, 0.000, 0.000



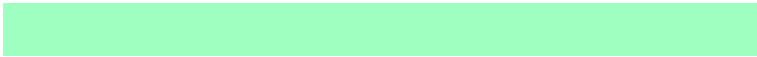
53, 0.007, 296.813

Same Dimension

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



80, 33.417, 154.057



93, 46.485, 153.293



81, 23.309, 184.409



44, 6.061, 156.077



61, 74.958, 143.204



14, 26.331, 148.483

Inverse Universe

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



68, 33.981, 339.202



77, 47.350, 339.845



67, 27.149, 10.605



42, 6.102, 337.382



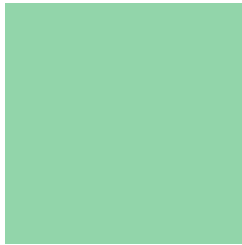
37, 66.149, 349.227



5, 25.445, 344.600

Previews

White Background



This preview shows how the CIELCh color 80, 33.416, 154.058 looks on a white background.

Color Contrast Check

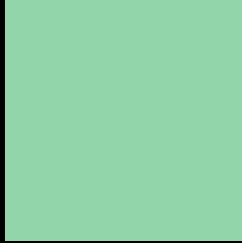
Large Text (above 18pt) WCAG AA × Fail

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, 33.416, 154.058 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, 33.416, 154.058

Background



This preview shows how black text looks on a background with the CIELCh color 80, 33.416, 154.058.



This preview shows how white text looks on a background with the CIELCh color 80, 33.416, 154.058.

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, 33.416, 154.058

Protanopia
80, 19.145, 94.150

Deuteranopia
80, 15.904, 50.155

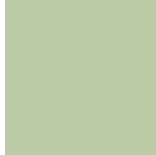


Tritanopia
80, 17.902, 227.034

Trichromacy



Original Color
80, 33.416, 154.058



Protanomaly
80, 21.161, 126.328



Deuteranomaly
79, 13.293, 112.268



Tritanomaly
80, 19.422, 188.477

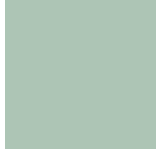
Monochromacy



Original Color
80, 33.416, 154.058



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 12.395, 154.801

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 33.416, 154.058 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(146, 213, 170)` looks like.

```
.text, #text, p{  
    color:rgb(146, 213, 170)  
}
```

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(146, 213, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 213, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 33.416, 154.058 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(146, 213, 170) }
```

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

```
.border{ border-color:rgb(146, 213, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 213, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 213, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 213, 170); box-shadow:4px 4px 4px 4px rgb(146, 213, 170) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 33.416, 154.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 213, 170) }
```

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

```
.background{ background-color: rgb(146,  
213, 170) }
```

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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