

Converting Colors

CIELCh(80, 33.812, 154.355)

Have a look what the booklet for
CIELCh(80, 33.812, 154.355)
contains.

CIELCh(80, 33.656, 154.408)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 33.656, 154.408)

Conversions

Conversions Part 1

Format	Color
Hex	91D5AA
RGB	145, 213, 170
RGB Percent	57%, 84%, 67%
CMY	0.4303, 0.1636, 0.3323
CMYK	0.32, 0.00, 0.20, 0.16
HSL	142°, 45%, 70%
HSV	142°, 32%, 84%
XYZ	42.8664, 56.6813, 46.8405
YIQ	187.7660, -26.7250, -27.7890

Conversions

Conversions Part 2

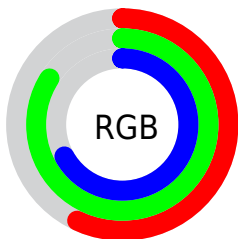
Format	Color
RYB	145, 195, 213
Decimal	9557418
CIELab	80.00, -30.35, 14.54
CIElCh	80, 33.656, 154.408
Yxy	56.6813, 0.2928, 0.3872
Android (android.graphics.Color)	4287747498 (0xFF91D5AA)
YUV	187.7660, -8.7586, -37.5058
Hunter-Lab	75.2870, -30.1190, 15.8131

Details

The CIELCh color **80, 33.656, 154.408** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **68, 34.268, 339.688**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 24.701, 159.420**, and **60, 33.562, 154.529** is the 20% darker color. If you saturate the color by 10%, you get **79, 43.842, 153.273**, and if you desaturate by 10%, it is **81, 23.180, 155.401**.

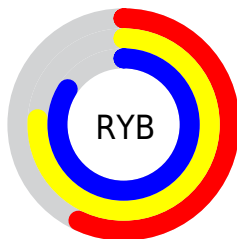
Distribution



Red (57%)

Green (84%)

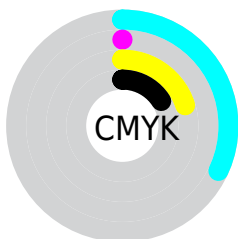
Blue (67%)



Red (57%)

Yellow (76%)

Blue (84%)

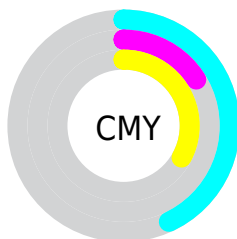


Cyan (32%)

Magenta (0%)

Yellow (20%)

Black (16%)



Cyan (43%)


Magenta (16%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 33.656, 154.408 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, 33.656, 154.408 by changing the saturation by 10% instead.


 80, 33.656,
154.408


 80, 33.656,
154.408


 100, 33.656,
154.408


 70, 33.656,
154.408

 60, 33.656,
154.408

 50, 33.656,
154.408

 40, 33.656,
154.408

 30, 33.656,
154.408

 20, 33.656,
154.408

 10, 33.656,

154.408

■ 0, 33.656, 154.408

■ 80, 33.656,
154.408

■ 80, 33.656,
154.408

■ 79, 43.842,
153.273

■ 81, 23.180,
155.401

■ 78, 53.546,
151.973

■ 83, 12.576,
156.282

■ 77, 62.580,
150.487

■ 85, 1.983, 157.207

■ 76, 70.766,
148.802

■ 87, 8.492, 337.652

■ 76, 77.974,
146.921

■ 89, 18.769,
338.286

■ 90, 24.568,
327.947

■ 75, 84.138,
144.876

■ 90, 26.145,
325.335

■ 75, 88.451,
143.193

Harmonies

Complementary

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



80, 33.656, 154.408



68, 34.268, 339.688

Rectangle

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



80, 33.656, 154.408



80, 33.656, 204.408



80, 33.656, 334.408



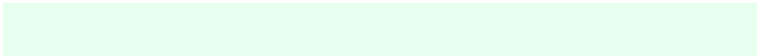
80, 33.656, 24.408

Sweetspot

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



80, 33.657, 154.407



98, 12.220, 156.431



82, 36.720, 122.598



52, 8.341, 156.313



0, 0.000, 0.000



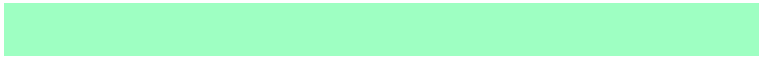
53, 0.007, 296.813

Same Dimension

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



80, 33.657, 154.407



93, 46.140, 153.688



81, 23.421, 185.782



44, 6.019, 156.487



61, 74.386, 143.546



14, 26.149, 148.789

Inverse Universe

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



68, 34.268, 339.688



77, 47.062, 340.302



67, 27.545, 11.949



42, 6.061, 337.803



37, 65.823, 349.988



5, 25.292, 345.200

Previews

White Background



This preview shows how the CIELCh color 80, 33.656, 154.408 looks on a white background.

Color Contrast Check

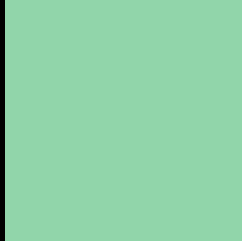
Large Text (above 18pt) WCAG AA × Fail

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, 33.656, 154.408 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, 33.656, 154.408

Background



This preview shows how black text looks on a background with the CIELCh color 80, 33.656, 154.408.



This preview shows how white text looks on a background with the CIELCh color 80, 33.656, 154.408.

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](#).

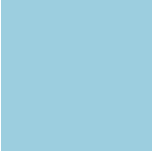
Dichromacy



Original Color
80, 33.656, 154.408

Protanopia
80, 19.145, 94.150

Deuteranopia
80, 15.904, 50.155



Tritanopia
80, 18.365, 228.155

Trichromacy



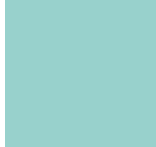
Original Color
80, 33.656, 154.408



Protanomaly
80, 21.161, 126.328



Deuteranomaly
79, 13.293, 112.268



Tritanomaly
80, 19.589, 190.131

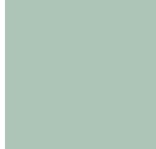
Monochromacy



Original Color
80, 33.656, 154.408



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 12.286, 157.674

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 33.656, 154.408 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(145, 213, 170)` looks like.

```
.text, #text, p{  
    color:rgb(145, 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(145, 213, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 213, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 33.656, 154.408 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(145, 213, 170) }
```

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

```
.border{ border-color:rgb(145, 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(145, 213, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 213, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 213, 170);  
box-shadow:4px 4px 4px 4px rgb(145, 213,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 33.656, 154.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 213, 170) }
```

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

```
.background{ background-color: rgb(145,  
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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