

Converting Colors

CIELCh(83, 40.921, 155.220)

Have a look what the booklet for
CIELCh(83, 40.921, 155.220)
contains.

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Color

CIELCh(83, 41.238, 155.149)

Conversions

Conversions Part 1

Format	Color
Hex	8AE1AD
RGB	138, 225, 173
RGB Percent	54%, 88%, 68%
CMY	0.4594, 0.1183, 0.3222
CMYK	0.39, 0.00, 0.23, 0.12
HSL	144°, 59%, 71%
HSV	144°, 39%, 88%
XYZ	44.8639, 62.1629, 49.0905
YIQ	193.0590, -35.1600, -34.6160

Conversions

Conversions Part 2

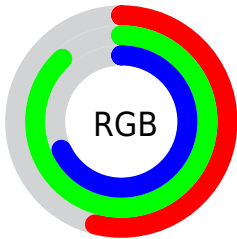
Format	Color
RYB	138, 200, 225
Decimal	9101741
CIELab	83.00, -37.42, 17.33
CIElCh	83, 41.238, 155.149
Yxy	62.1629, 0.2874, 0.3982
Android (android.graphics.Color)	4287291821 (0xFF8AE1AD)
YUV	193.0590, -9.8891, -48.2867
Hunter-Lab	78.8435, -36.4052, 18.2746

Details

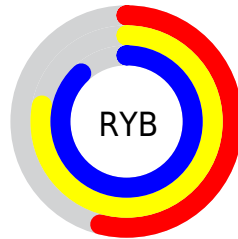
The CIELCh color **83, 41.238, 155.149** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **68, 42.304, 342.096**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 24.989, 165.570**, and **63, 40.976, 155.508** is the 20% darker color. If you saturate the color by 10%, you get **82, 51.224, 153.881**, and if you desaturate by 10%, it is **84, 30.812, 156.259**.

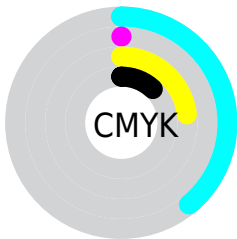
Distribution



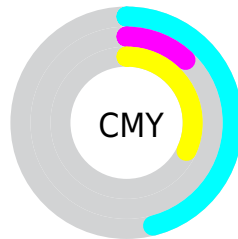
- Red (54%)
- Green (88%)
- Blue (68%)



- Red (54%)
- Yellow (78%)
- Blue (88%)



- Cyan (39%)
- Magenta (0%)
- Yellow (23%)
- Black (12%)





- Cyan (46%)
- Magenta (12%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 41.238, 155.149 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 83, 41.238, 155.149 by changing the saturation by 10% instead.


 83, 41.238,
155.149


 83, 41.238,
155.149


 100, 41.238,
155.149


 73, 41.238,
155.149

 63, 41.238,
155.149

 53, 41.238,
155.149

 43, 41.238,
155.149

 33, 41.238,
155.149

 23, 41.238,
155.149

 13, 41.238,

155.149

■ 3, 41.238, 155.149

■ 0, 41.238, 155.149

■ 83, 41.238,
155.149

■ 83, 41.238,
155.149

■ 82, 51.224,
153.881

■ 84, 30.812,
156.259

■ 81, 60.575,
152.432

■ 86, 20.126,
157.237

■ 80, 69.110,
150.783

■ 88, 9.342, 158.117

■ 79, 76.690,
148.927

■ 90, 1.407, 338.547

■ 92, 12.020,
339.485

■ 79, 83.241,

146.881

93, 18.226,
326.479

79, 88.814,
144.717

93, 18.864,
325.080

79, 89.500,
144.446

Harmonies

Complementary

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



83, 41.238, 155.149



68, 42.304, 342.096

Rectangle

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



83, 41.238, 155.149



83, 41.238, 205.149



83, 41.238, 335.149



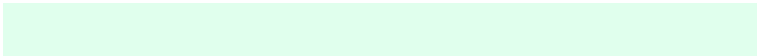
83, 41.238, 25.149

Sweetspot

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



83, 41.239, 155.148



97, 14.298, 157.826



85, 46.615, 123.537



52, 9.487, 157.711



0, 0.000, 0.000



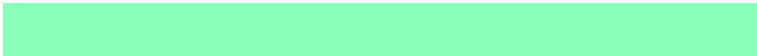
53, 0.007, 296.813

Same Dimension

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



83, 41.239, 155.148



92, 53.788, 154.197



84, 28.486, 188.119



46, 6.094, 158.053



63, 73.885, 144.833



17, 27.654, 149.211

Inverse Universe

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



68, 42.304, 342.096



72, 55.244, 342.939



67, 35.499, 15.608



44, 6.145, 339.420



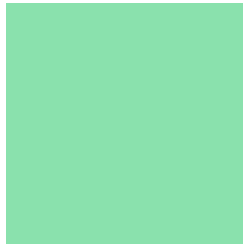
38, 66.133, 352.976



7, 27.658, 347.749

Previews

White Background



This preview shows how the CIELCh color 83, 41.238, 155.149 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 83, 41.238, 155.149 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 83, 41.238, 155.149

Background



This preview shows how black text looks on a background with the CIELCh color 83, 41.238, 155.149.

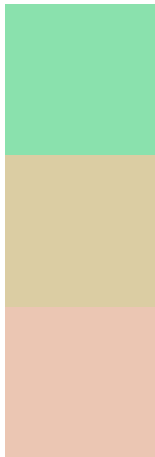


This preview shows how white text looks on a background with the CIELCh color 83, 41.238, 155.149.

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

83, 41.238, 155.149

Protanopia

83, 22.765, 94.126

Deuteranopia

83, 17.674, 54.532

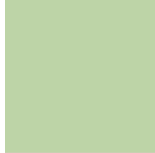


Tritanopia
83, 22.373, 221.987

Trichromacy



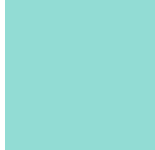
Original Color
83, 41.238, 155.149



Protanomaly
82, 25.229, 128.496



Deuteranomaly
82, 16.606, 119.303

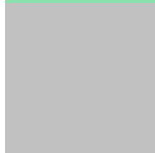


Tritanomaly
83, 24.880, 187.818

Monochromacy



Original Color
83, 41.238, 155.149



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 15.544, 157.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 41.238, 155.149 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(138, 225, 173)` looks like.

```
.text, #text, p{  
    color:rgb(138, 225, 173)  
}
```

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(138, 225, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 225, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 41.238, 155.149 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(138, 225, 173) }
```

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

```
.border{ border-color:rgb(138, 225, 173) }
```

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

Here you see how a box with a 4 pixel rgb(138, 225, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 225, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 225, 173);  
box-shadow:4px 4px 4px 4px rgb(138, 225,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 41.238, 155.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 225, 173) }
```

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

```
.background{ background-color: rgb(138,  
225, 173) }
```

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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