

Converting Colors

CIELCh(84, 44.584, 138.401)

Have a look what the booklet for
CIELCh(84, 44.584, 138.401)
contains.

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Color

CIELCh(84, 44.580, 138.403)

Conversions

Conversions Part 1

Format	Color
Hex	A3E198
RGB	163, 225, 152
RGB Percent	64%, 88%, 60%
CMY	0.3599, 0.1167, 0.4030
CMYK	0.28, 0.00, 0.32, 0.12
HSL	111°, 55%, 74%
HSV	111°, 32%, 88%
XYZ	47.8280, 64.0658, 39.6475
YIQ	198.1400, -13.5190, -35.8470

Conversions

Conversions Part 2

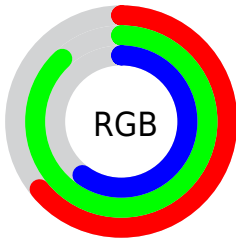
Format	Color
RYB	152, 225, 214
Decimal	10740120
CIELab	84.00, -33.34, 29.60
CIElCh	84, 44.580, 138.403
Yxy	64.0658, 0.3156, 0.4228
Android (android.graphics.Color)	4288930200 (0xFFA3E198)
YUV	198.1400, -22.7470, -30.8178
Hunter-Lab	80.0411, -33.4104, 26.6601

Details

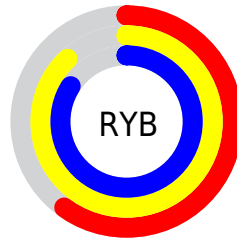
The CIELCh color **84, 44.580, 138.403** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **71, 45.041, 321.752**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 27.773, 136.408**, and **64, 44.536, 138.363** is the 20% darker color. If you saturate the color by 10%, you get **83, 57.965, 137.674**, and if you desaturate by 10%, it is **86, 30.863, 139.067**.

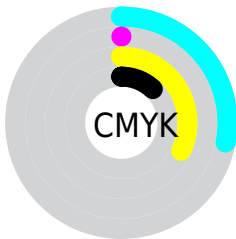
Distribution



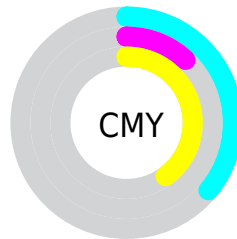
- Red (64%)
- Green (88%)
- Blue (60%)



- Red (60%)
- Yellow (88%)
- Blue (84%)



- Cyan (28%)
- Magenta (0%)
- Yellow (32%)
- Black (12%)



- Cyan (36%)
- Magenta (12%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 44.580, 138.403 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 84, 44.580, 138.403 by changing the saturation by 10% instead.

 84, 44.580,
138.403

 84, 44.580,
138.403

 100, 44.580,
138.403

 74, 44.580,
138.403

 64, 44.580,
138.403

 54, 44.580,
138.403

 44, 44.580,
138.403

 34, 44.580,
138.403

 24, 44.580,
138.403

 14, 44.580,

138.403


 4, 44.580, 138.403


 0, 44.580, 138.403

 84, 44.580,
138.403


 84, 44.580,
138.403

 83, 57.965,
137.674


 86, 30.863,
139.067


 82, 70.700,
136.907

 87, 17.043,
139.658


 81, 82.375,
136.158

 89, 3.290, 140.225


 80, 92.465,
135.524


 91, 10.275,
320.565

 79, 100.374,

 93, 18.609,
325.071

135.133

 79, 105.609,
135.105

 79, 107.940,
135.261

Harmonies

Complementary

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



84, 44.580, 138.403



71, 45.041, 321.752

Rectangle

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



84, 44.580, 138.403



84, 44.580, 188.403



84, 44.580, 318.403



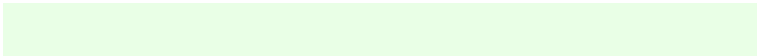
84, 44.580, 8.403

Sweetspot

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



84, 44.582, 138.404



98, 15.159, 139.787



85, 32.005, 98.639



52, 10.350, 139.710



0, 0.000, 0.000



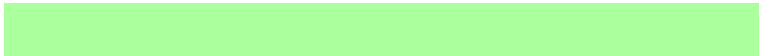
53, 0.007, 296.813

Same Dimension

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



84, 44.582, 138.404



93, 59.094, 137.910



84, 36.720, 152.919



46, 7.757, 139.821



63, 89.602, 135.139



16, 33.932, 136.751

Inverse Universe

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



71, 45.041, 321.752



76, 59.777, 322.045



71, 37.249, 338.145



44, 7.791, 320.681



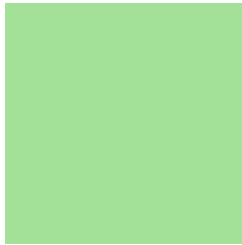
37, 88.562, 322.489



6, 35.620, 323.110

Previews

White Background



This preview shows how the CIELCh color 84, 44.580, 138.403 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 84, 44.580, 138.403 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 84, 44.580, 138.403

Background



This preview shows how black text looks on a background with the CIELCh color 84, 44.580, 138.403.

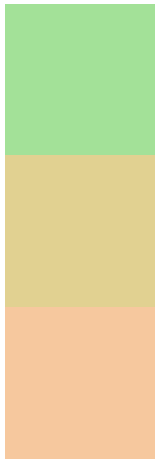


This preview shows how white text looks on a background with the CIELCh color 84, 44.580, 138.403.

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
84, 44.580, 138.403

Protanopia
84, 33.988, 96.207

Deuteranopia
84, 29.192, 68.567

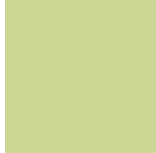


Tritanopia
84, 15.228, 234.978

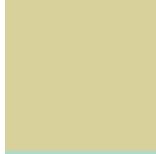
Trichromacy



Original Color
84, 44.580, 138.403



Protanomaly
84, 35.057, 114.973



Deuteranomaly
83, 27.832, 101.985

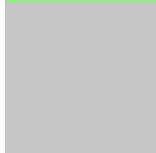


Tritanomaly
84, 18.671, 171.185

Monochromacy



Original Color
84, 44.580, 138.403



Achromatopsia
80, 0.010, 296.813



Achromatomaly
81, 16.718, 139.703

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 44.580, 138.403 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(163, 225, 152)` looks like.

```
.text, #text, p{  
    color:rgb(163, 225, 152)  
}
```

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(163, 225, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 225, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 44.580, 138.403 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(163, 225, 152) }
```

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

```
.border{ border-color:rgb(163, 225, 152) }
```

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

Here you see how a box with a 4 pixel rgb(163, 225, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 225, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 225, 152);  
box-shadow:4px 4px 4px 4px rgb(163, 225,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 44.580, 138.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 225, 152) }
```

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

```
.background{ background-color: rgb(163,  
225, 152) }
```

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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