

Converting Colors

CIELCh(83, 45.540, 137.675)

Have a look what the booklet for
CIELCh(83, 45.540, 137.675)
contains.

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Color

CIELCh(83, 45.975, 137.393)

Conversions

Conversions Part 1

Format	Color
Hex	A1DF93
RGB	161, 223, 147
RGB Percent	63%, 87%, 58%
CMY	0.3703, 0.1272, 0.4252
CMYK	0.28, 0.00, 0.34, 0.13
HSL	109°, 54%, 72%
HSV	109°, 34%, 87%
XYZ	46.1135, 62.1629, 37.0007
YIQ	195.7980, -12.5560, -36.7800

Conversions

Conversions Part 2

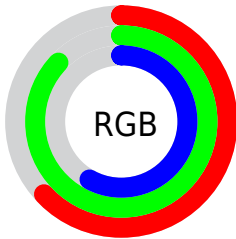
Format	Color
RYB	147, 223, 209
Decimal	10608531
CIELab	83.00, -33.84, 31.12
CIElCh	83, 45.975, 137.393
Yxy	62.1629, 0.3174, 0.4279
Android (android.graphics.Color)	4288798611 (0xFFA1DF93)
YUV	195.7980, -24.0574, -30.5178
Hunter-Lab	78.8435, -33.5762, 27.3660

Details

The CIELCh color $83, 45.975, 137.393$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $69, 46.609, 320.810$, and the grayscale version is $79, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 30.372, 135.302$, and $63, 45.520, 137.625$ is the 20% darker color. If you saturate the color by 10%, you get $82, 59.026, 136.702$, and if you desaturate by 10%, it is $84, 32.568, 138.034$.

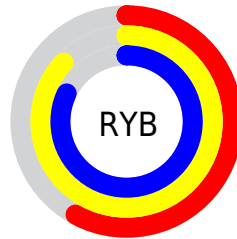
Distribution



Red (63%)

Green (87%)

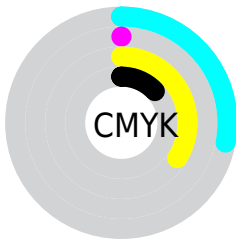
Blue (58%)



Red (58%)

Yellow (87%)

Blue (82%)

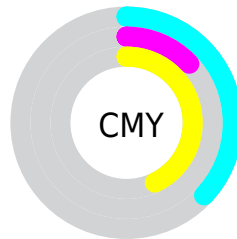


Cyan (28%)

Magenta (0%)

Yellow (34%)

Black (13%)



Cyan (37%)


Magenta (13%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 45.975, 137.393 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, 45.975, 137.393 by changing the saturation by 10% instead.


 83, 45.975,
137.393


 83, 45.975,
137.393


 100, 45.975,
137.393


 73, 45.975,
137.393

 63, 45.975,
137.393

 53, 45.975,
137.393

 43, 45.975,
137.393

 33, 45.975,
137.393

 23, 45.975,
137.393

 13, 45.975,

137.393

■ 3, 45.975, 137.393

■ 0, 45.975, 137.393

■ 83, 45.975,
137.393

■ 83, 45.975,
137.393

■ 82, 59.026,
136.702

■ 84, 32.568,
138.034

■ 81, 71.405,
135.993

■ 86, 19.031,
138.610

■ 80, 82.699,
135.332

■ 88, 5.532, 139.140

■ 79, 92.381,
134.821

■ 90, 7.806, 319.503

■ 92, 19.631,
321.977

■ 78, 99.866,

134.590

92, 20.300,
325.130

78, 104.706,
134.747

78, 106.512,
134.939

Harmonies

Complementary

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



83, 45.975, 137.393



69, 46.609, 320.810

Rectangle

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



83, 45.975, 137.393



83, 45.975, 187.393



83, 45.975, 317.393



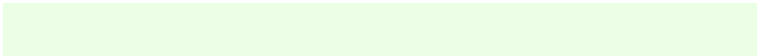
83, 45.975, 7.393

Sweetspot

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



83, 45.977, 137.394



98, 15.003, 138.827



83, 32.345, 96.383



52, 10.244, 138.752



0, 0.000, 0.000



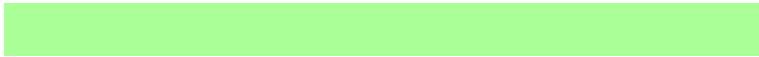
53, 0.007, 296.813

Same Dimension

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



83, 45.977, 137.394



93, 61.390, 136.901



83, 39.254, 151.423



46, 7.677, 138.859



63, 89.204, 134.803



17, 33.664, 136.144

Inverse Universe

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



69, 46.609, 320.810



74, 62.355, 321.106



70, 39.697, 336.800



44, 7.717, 319.691



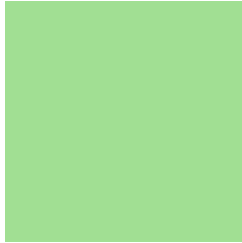
36, 88.947, 321.291



6, 35.481, 321.947

Previews

White Background



This preview shows how the CIELCh color 83, 45.975, 137.393 looks on a white background.

Color Contrast Check

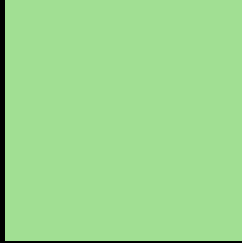
Large Text (above 18pt) WCAG AA × Fail

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, 45.975, 137.393 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, 45.975, 137.393

Background



This preview shows how black text looks on a background with the CIELCh color 83, 45.975, 137.393.



This preview shows how white text looks on a background with the CIELCh color 83, 45.975, 137.393.

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, 45.975, 137.393

Protanopia
83, 35.163, 95.694

Deuteranopia
83, 30.576, 70.150

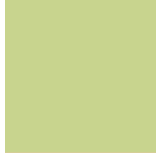


Tritanopia
83, 15.004, 235.732

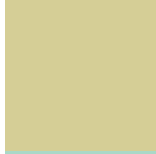
Trichromacy



Original Color
83, 45.975, 137.393



Protanomaly
83, 36.641, 114.516



Deuteranomaly
82, 29.444, 102.084

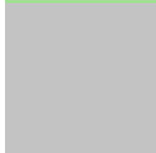


Tritanomaly
83, 18.702, 169.321

Monochromacy



Original Color
83, 45.975, 137.393



Achromatopsia
79, 0.010, 296.813



Achromatomaly
80, 17.225, 138.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 45.975, 137.393 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(161, 223, 147)` looks like.

```
.text, #text, p{  
    color:rgb(161, 223, 147)  
}
```

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(161, 223, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 223, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 45.975, 137.393 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(161, 223, 147) }
```

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

```
.border{ border-color:rgb(161, 223, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 223, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 223, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 223, 147); box-shadow:4px 4px 4px 4px rgb(161, 223, 147) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 45.975, 137.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 223, 147) }
```

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

```
.background{ background-color: rgb(161,  
223, 147) }
```

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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