

Converting Colors

CIELCh(83, 67.716, 122.450)

Have a look what the booklet for
CIELCh(83, 67.716, 122.450)
contains.

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Color

CIELCh(83, 67.737, 122.443)

Conversions

Conversions Part 1

Format	Color
Hex	ACDF5D
RGB	172, 223, 93
RGB Percent	67%, 87%, 36%
CMY	0.3265, 0.1265, 0.6362
CMYK	0.23, 0.00, 0.58, 0.13
HSL	84°, 67%, 62%
HSV	84°, 58%, 87%
XYZ	45.2388, 62.1629, 19.9132
YIQ	192.9310, 11.3340, -51.2420

Conversions

Conversions Part 2

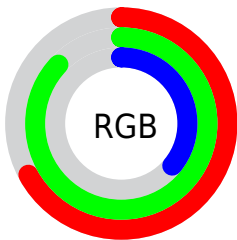
Format	Color
R_{YB}	93, 223, 144
Decimal	11329373
CIE _{Lab}	83.00, -36.34, 57.16
CIE _{LCh}	83, 67.737, 122.443
Yxy	62.1629, 0.3553, 0.4883
Android (android.graphics.Color)	4289519453 (0xFFACDF5D)
YUV	192.9310, -49.2660, -18.3565
Hunter-Lab	78.8435, -35.5565, 40.2158

Details

The CIELCh color **83, 67.737, 122.443** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **51, 75.941, 308.926**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 54.492, 116.458**, and **63, 68.076, 122.553** is the 20% darker color. If you saturate the color by 10%, you get **82, 77.284, 122.283**, and if you desaturate by 10%, it is **84, 57.111, 122.799**.

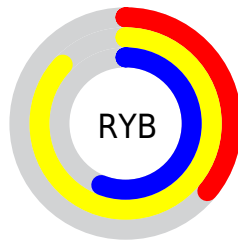
Distribution



Red (67%)

Green (87%)

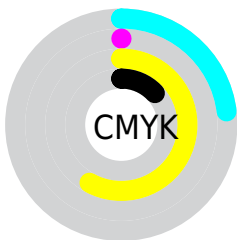
Blue (36%)



Red (36%)

Yellow (87%)

Blue (56%)

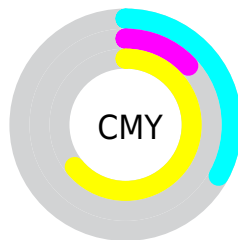


Cyan (23%)

Magenta (0%)

Yellow (58%)

Black (13%)



Cyan (33%)

Magenta (13%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 67.737, 122.443 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, 67.737, 122.443 by changing the saturation by 10% instead.

 83, 67.737,
122.443


 83, 67.737,
122.443


 100, 67.737,
122.443


 73, 67.737,
122.443

 63, 67.737,
122.443

 53, 67.737,
122.443

 43, 67.737,
122.443

 33, 67.737,
122.443

 23, 67.737,
122.443

 13, 67.737,

122.443

■ 3, 67.737, 122.443

■ 0, 67.737, 122.443

■ 83, 67.737,
122.443

■ 83, 67.737,
122.443

■ 82, 77.284,
122.283

■ 84, 57.111,
122.799

■ 82, 85.241,
122.427

■ 85, 45.795,
123.261

■ 81, 91.097,
122.999

■ 86, 34.068,
123.773

■ 81, 94.706,
124.046

■ 87, 22.117,
124.299

■ 81, 95.208,

■ 88, 10.068,

124.230

124.819

■ 89, 1.990, 305.259

■ 90, 13.994,
305.759

■ 91, 18.049,
312.565

■ 92, 19.346,
321.080

Harmonies

Complementary

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



83, 67.737, 122.443



51, 75.941, 308.926

Rectangle

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



83, 67.737, 122.443



83, 67.737, 172.443



83, 67.737, 302.443



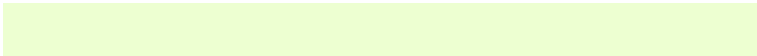
83, 67.737, 352.443

Sweetspot

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



83, 67.738, 122.444



98, 24.202, 124.311



66, 46.509, 56.698



52, 16.809, 124.157



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, 67.738, 122.444



93, 87.682, 122.284



80, 77.819, 137.188



47, 6.883, 124.763



65, 79.668, 123.975



18, 29.821, 123.814

Inverse Universe

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



51, 75.941, 308.926



50, 101.170, 309.651



58, 78.226, 323.767



44, 6.999, 305.701



25, 96.583, 309.769



3, 32.763, 306.304

Previews

White Background



This preview shows how the CIELCh color 83, 67.737, 122.443 looks on a white background.

Color Contrast Check

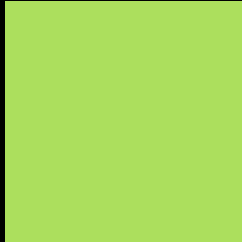
Large Text (above 18pt) WCAG AA × Fail

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, 67.737, 122.443 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, 67.737, 122.443

Background



This preview shows how black text looks on a background with the CIELCh color 83, 67.737, 122.443.

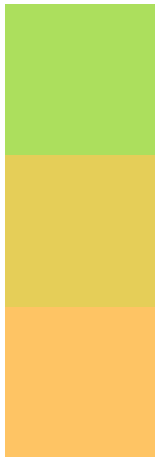


This preview shows how white text looks on a background with the CIELCh color 83, 67.737, 122.443.

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, 67.737, 122.443

Protanopia

83, 60.294, 95.409

Deuteranopia

83, 56.239, 79.119



Tritanopia
83, 11.144, 253.123

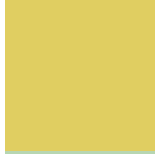
Trichromacy



Original Color
83, 67.737, 122.443



Protanomaly
83, 60.984, 106.408



Deuteranomaly
82, 55.950, 97.317

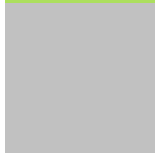


Tritanomaly
83, 22.273, 139.740

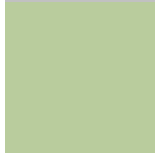
Monochromacy



Original Color
83, 67.737, 122.443



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 25.886, 124.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 67.737, 122.443 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(172, 223, 93)` looks like.

```
.text, #text, p{  
    color:rgb(172, 223, 93)  
}
```

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(172, 223, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 223, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 67.737, 122.443 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(172, 223, 93) }
```

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

```
.border{ border-color:rgb(172, 223, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 223, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 223, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 223, 93);  
box-shadow:4px 4px 4px 4px rgb(172, 223,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 67.737, 122.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 223, 93) }
```

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

```
.background{ background-color: rgb(172,  
223, 93) }
```

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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