

Converting Colors

CIELCh(83, 90.120, 137.458)

Have a look what the booklet for
CIELCh(83, 90.120, 137.458)
contains.

CIELCh(83, 90.407, 137.414)	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(83, 90.407, 137.414)

Conversions

Conversions Part 1

Format	Color
Hex	5CEB51
RGB	92, 235, 81
RGB Percent	36%, 92%, 32%
CMY	0.6401, 0.0792, 0.6830
CMYK	0.61, 0.00, 0.66, 0.08
HSL	116°, 79%, 62%
HSV	116°, 66%, 92%
XYZ	35.5237, 62.1629, 17.8752
YIQ	174.6870, -35.7940, -78.2100

Conversions

Conversions Part 2

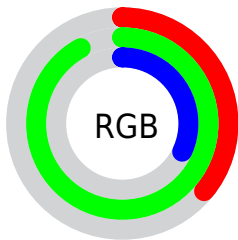
Format	Color
RYB	81, 235, 224
Decimal	6089553
CIELab	83.00, -66.56, 61.18
CIELCh	83, 90.407, 137.414
Yxy	62.1629, 0.3074, 0.5379
Android (android.graphics.Color)	4284279633 (0xFF5CEB51)
YUV	174.6870, -46.1877, -72.5165
Hunter-Lab	78.8435, -57.5512, 41.7484

Details

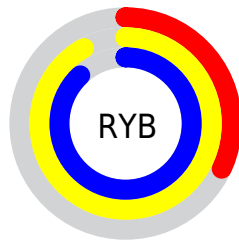
The CIELCh color **83, 90.407, 137.414** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **60, 89.903, 325.387**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 69.805, 136.899**, and **63, 89.691, 136.820** is the 20% darker color. If you saturate the color by 10%, you get **82, 100.039, 136.595**, and if you desaturate by 10%, it is **84, 78.780, 138.349**.

Distribution



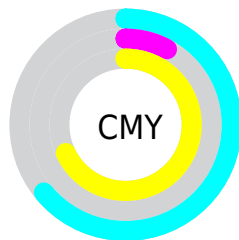
- Red (36%)
- Green (92%)
- Blue (32%)



- Red (32%)
- Yellow (92%)
- Blue (88%)



- Cyan (61%)
- Magenta (0%)
- Yellow (66%)
- Black (8%)





- Cyan (64%)
- Magenta (8%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 90.407, 137.414 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, 90.407, 137.414 by changing the saturation by 10% instead.


 83, 90.407,
137.414


 83, 90.407,
137.414


 100, 90.407,
137.414


 73, 90.407,
137.414

 63, 90.407,
137.414

 53, 90.407,
137.414

 43, 90.407,
137.414

 33, 90.407,
137.414

 23, 90.407,
137.414

 13, 90.407,

137.414

■ 3, 90.407, 137.414

■ 0, 90.407, 137.414

■ 83, 90.407,
137.414

■ 83, 90.407,
137.414

■ 82, 100.039,
136.595

■ 84, 78.780,
138.349

■ 82, 107.065,
136.030

■ 85, 65.750,
139.288

■ 82, 111.107,
135.826

■ 86, 51.817,
140.167

■ 82, 112.168,
135.780


■ 88, 37.374,
140.957

■ 90, 22.721,

141.649

 92, 8.086, 142.261

 94, 6.368, 322.688

 95, 12.599,
324.855

Harmonies

Complementary

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



83, 90.407, 137.414



60, 89.903, 325.387

Rectangle

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



83, 90.407, 137.414



83, 90.407, 187.414



83, 90.407, 317.414



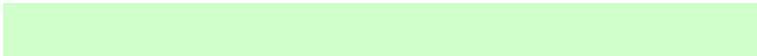
83, 90.407, 7.414

Sweetspot

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



83, 90.407, 137.415



96, 31.228, 141.348



87, 69.021, 99.809



50, 21.314, 141.151



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, 90.407, 137.415



88, 109.659, 136.345



83, 68.056, 151.918



48, 8.251, 142.029



64, 92.229, 135.708



18, 37.616, 137.107

Inverse Universe

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



60, 89.903, 325.387



60, 107.948, 325.589



58, 69.203, 346.440



46, 8.274, 322.976



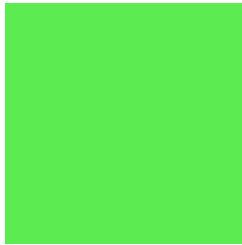
41, 89.737, 325.459



8, 38.397, 325.859

Previews

White Background



This preview shows how the CIE LCh color 83, 90.407, 137.414 looks on a white background.

Color Contrast Check

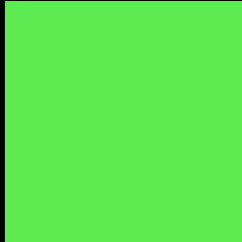
Large Text (above 18pt) WCAG AA × Fail

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, 90.407, 137.414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

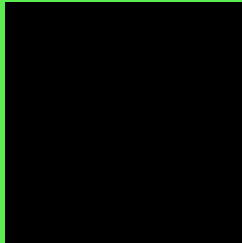
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

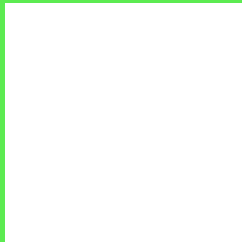
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 90.407, 137.414

Background



This preview shows how black text looks on a background with the CIELCh color 83, 90.407, 137.414.

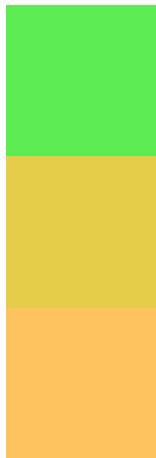


This preview shows how white text looks on a background with the CIELCh color 83, 90.407, 137.414.

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, 90.407, 137.414

Protanopia
82, 66.139, 95.253

Deuteranopia
82, 58.440, 79.814



Tritanopia
83, 28.572, 216.187

Trichromacy



Original Color
83, 90.407, 137.414



Protanomaly
81, 70.178, 116.916



Deuteranomaly
81, 60.499, 110.822

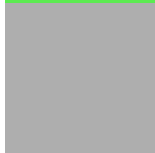


Tritanomaly
82, 43.811, 163.549

Monochromacy



Original Color
83, 90.407, 137.414



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 36.031, 140.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 90.407, 137.414 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(92, 235, 81)` looks like.

```
.text, #text, p{  
    color:rgb(92, 235, 81)  
}
```

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(92, 235, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 235, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 90.407, 137.414 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(92, 235, 81) }
```

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

```
.border{ border-color:rgb(92, 235, 81) }
```

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

Here you see how a box with a 4 pixel rgb(92, 235, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 235, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 235, 81);  
box-shadow:4px 4px 4px 4px rgb(92, 235,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 90.407, 137.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 235, 81) }
```

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

```
.background{ background-color: rgb(92, 235,  
81) }
```

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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