

Converting Colors

CIELCh(82, 91.917, 137.383)

Have a look what the booklet for
CIELCh(82, 91.917, 137.383)
contains.

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Color

CIELCh(82, 91.874, 137.355)

Conversions

Conversions Part 1

Format	Color
Hex	55E84B
RGB	85, 232, 75
RGB Percent	33%, 91%, 29%
CMY	0.6656, 0.0893, 0.7050
CMYK	0.63, 0.00, 0.68, 0.09
HSL	116°, 78%, 60%
HSV	116°, 68%, 91%
XYZ	33.9708, 60.2982, 16.5451
YIQ	170.1490, -37.2150, -79.9910

Conversions

Conversions Part 2

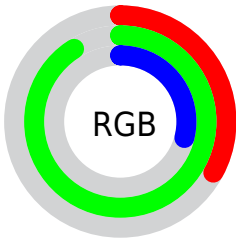
Format	Color
RYB	75, 232, 222
Decimal	5630027
CIELab	82.00, -67.58, 62.24
CIElCh	82, 91.874, 137.355
Yxy	60.2982, 0.3066, 0.5441
Android (android.graphics.Color)	4283820107 (0xFF55E84B)
YUV	170.1490, -46.9085, -74.6757
Hunter-Lab	77.6519, -57.8015, 41.7235

Details

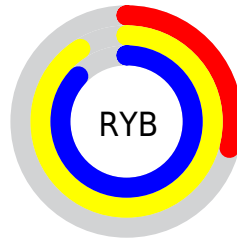
The CIELCh color **82, 91.874, 137.355** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **58, 91.142, 325.659**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 72.870, 137.114**, and **62, 90.206, 136.066** is the 20% darker color. If you saturate the color by 10%, you get **81, 100.935, 136.551**, and if you desaturate by 10%, it is **83, 80.699, 138.297**.

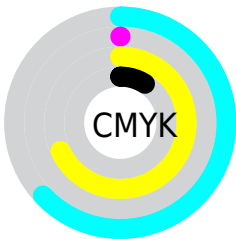
Distribution



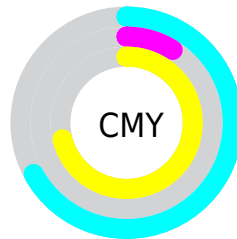
- Red (33%)
- Green (91%)
- Blue (29%)



- Red (29%)
- Yellow (91%)
- Blue (87%)



- Cyan (63%)
- Magenta (0%)
- Yellow (68%)
- Black (9%)





- Cyan (67%)
- Magenta (9%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 91.874, 137.355 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 82, 91.874, 137.355 by changing the saturation by 10% instead.


 82, 91.874,
137.355


 82, 91.874,
137.355


 100, 91.874,
137.355


 72, 91.874,
137.355

 62, 91.874,
137.355

 52, 91.874,
137.355

 42, 91.874,
137.355

 32, 91.874,
137.355

 22, 91.874,
137.355

 12, 91.874,

137.355

■ 2, 91.874, 137.355

■ 0, 91.874, 137.355

■ 82, 91.874,
137.355

■ 82, 91.874,
137.355

■ 81, 100.935,
136.551

■ 83, 80.699,
138.297

■ 81, 107.299,
136.025

■ 84, 68.011,
139.259

■ 81, 110.725,
135.851


■ 85, 54.326,
140.166

■ 81, 111.278,
135.807


■ 87, 40.058,
140.985

■ 88, 25.525,

141.703

 90, 10.968,
142.333

 93, 3.437, 322.754

 94, 14.217,
324.914

Harmonies

Complementary

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



82, 91.874, 137.355



58, 91.142, 325.659

Rectangle

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



82, 91.874, 137.355



82, 91.874, 187.355



82, 91.874, 317.355



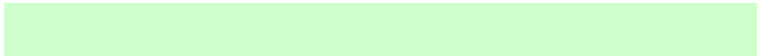
82, 91.874, 7.355

Sweetspot

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



82, 91.874, 137.356



96, 31.300, 141.533



87, 70.992, 100.569



50, 21.363, 141.333



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 91.874, 137.356



88, 111.303, 136.311



83, 68.142, 152.325



48, 8.270, 142.221



64, 92.272, 135.743



18, 37.676, 137.224

Inverse Universe

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



58, 91.142, 325.659



60, 109.268, 325.840



57, 69.467, 347.830



46, 8.292, 323.177



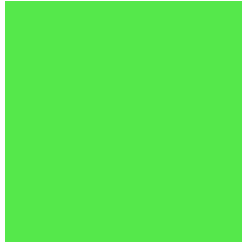
41, 89.688, 325.733



9, 38.380, 326.094

Previews

White Background



This preview shows how the CIE LCh color 82, 91.874, 137.355 looks on a white background.

Color Contrast Check

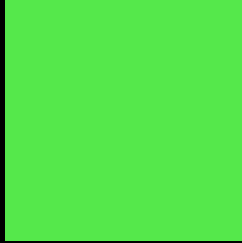
Large Text (above 18pt) WCAG AA × Fail

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 82, 91.874, 137.355 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 82, 91.874, 137.355

Background



This preview shows how black text looks on a background with the CIELCh color 82, 91.874, 137.355.

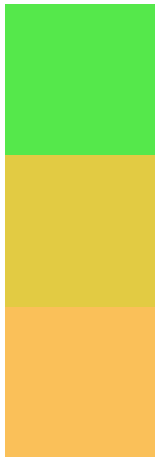


This preview shows how white text looks on a background with the CIELCh color 82, 91.874, 137.355.

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
82, 91.874, 137.355

Protanopia
81, 67.582, 95.608

Deuteranopia
81, 59.414, 79.970



Tritanopia
82, 29.074, 216.994

Trichromacy



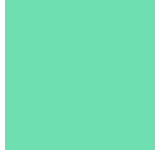
Original Color
82, 91.874, 137.355



Protanomaly
81, 71.860, 117.159



Deuteranomaly
80, 61.909, 111.336



Tritanomaly
81, 45.022, 163.571

Monochromacy



Original Color
82, 91.874, 137.355



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 36.995, 141.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 91.874, 137.355 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(85, 232, 75)` looks like.

```
.text, #text, p{  
    color:rgb(85, 232, 75)  
}
```

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(85, 232, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 232, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 91.874, 137.355 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(85, 232, 75) }
```

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

```
.border{ border-color:rgb(85, 232, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 232, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 232, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 232, 75);  
box-shadow:4px 4px 4px 4px rgb(85, 232,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 91.874, 137.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 232, 75) }
```

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

```
.background{ background-color: rgb(85, 232,  
75) }
```

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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