

Converting Colors

CIELCh(83, 65.081, 133.295)

Have a look what the booklet for
CIELCh(83, 65.081, 133.295)
contains.

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Color

CIELCh(83, 65.458, 133.218)

Conversions

Conversions Part 1

Format	Color
Hex	93E371
RGB	147, 227, 113
RGB Percent	58%, 89%, 44%
CMY	0.4245, 0.1108, 0.5578
CMYK	0.35, 0.00, 0.50, 0.11
HSL	102°, 67%, 67%
HSV	102°, 50%, 89%
XYZ	42.3524, 62.1629, 25.3190
YIQ	190.0840, -11.0860, -52.4140

Conversions

Conversions Part 2

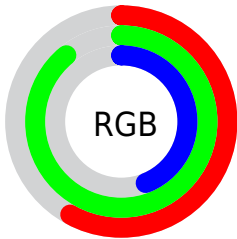
Format	Color
RYB	113, 227, 193
Decimal	9692017
CIELab	83.00, -44.82, 47.70
CIElCh	83, 65.458, 133.218
Yxy	62.1629, 0.3262, 0.4788
Android (android.graphics.Color)	4287882097 (0xFF93E371)
YUV	190.0840, -38.0024, -37.7847
Hunter-Lab	78.8435, -42.0912, 36.1506

Details

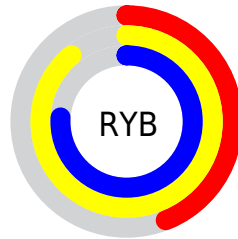
The CIELCh color **83, 65.458, 133.218** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **60, 67.855, 317.889**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 48.339, 130.192**, and **63, 65.471, 133.271** is the 20% darker color. If you saturate the color by 10%, you get **82, 77.116, 132.724**, and if you desaturate by 10%, it is **84, 52.976, 133.776**.

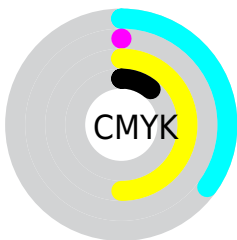
Distribution



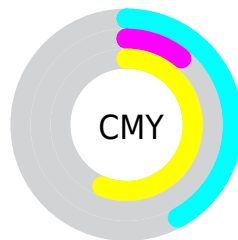
- Red (58%)
- Green (89%)
- Blue (44%)



- Red (44%)
- Yellow (89%)
- Blue (76%)



- Cyan (35%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)





- Cyan (42%)
- Magenta (11%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 65.458, 133.218 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, 65.458, 133.218 by changing the saturation by 10% instead.


 83, 65.458,
133.218


 83, 65.458,
133.218


 100, 65.458,
133.218


 73, 65.458,
133.218

 63, 65.458,
133.218

 53, 65.458,
133.218

 43, 65.458,
133.218

 33, 65.458,
133.218

 23, 65.458,
133.218

 13, 65.458,

133.218

■ 3, 65.458, 133.218

■ 0, 65.458, 133.218

■ 83, 65.458,
133.218

■ 83, 65.458,
133.218

■ 82, 77.116,
132.724

■ 84, 52.976,
133.776

■ 81, 87.484,
132.385

■ 85, 40.009,
134.337

■ 81, 96.001,
132.325

■ 87, 26.805,
134.870

■ 80, 102.137,
132.668

■ 88, 13.540,
135.363

■ 80, 105.843,

■ 90, 0.342, 136.364

133.351

■ 92, 12.700,
316.150

■ 93, 17.665,
325.037

Harmonies

Complementary

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



83, 65.458, 133.218



60, 67.855, 317.889

Rectangle

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



83, 65.458, 133.218



83, 65.458, 183.218



83, 65.458, 313.218



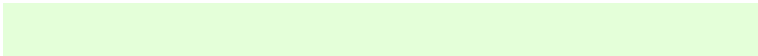
83, 65.458, 3.218

Sweetspot

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



83, 65.459, 133.219



97, 21.796, 135.130



79, 44.488, 87.125



52, 14.879, 135.024



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, 65.459, 133.219



91, 84.421, 132.719



82, 62.260, 145.990



46, 7.422, 135.402



63, 87.338, 133.140



17, 32.724, 133.837

Inverse Universe

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



60, 67.855, 317.889



62, 87.926, 318.176



64, 62.097, 333.897



44, 7.482, 316.173



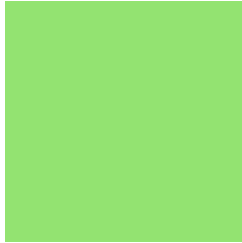
33, 90.606, 317.457



5, 34.860, 317.861

Previews

White Background



This preview shows how the CIELCh color 83, 65.458, 133.218 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, 65.458, 133.218 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, 65.458, 133.218

Background



This preview shows how black text looks on a background with the CIELCh color 83, 65.458, 133.218.

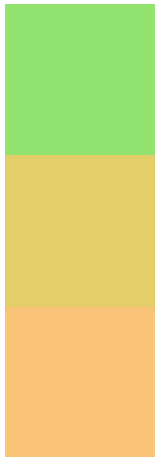


This preview shows how white text looks on a background with the CIELCh color 83, 65.458, 133.218.

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

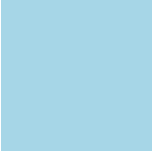
83, 65.458, 133.218

Protanopia

83, 52.043, 95.727

Deuteranopia

82, 46.450, 76.930

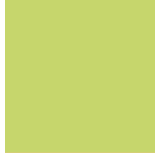


Tritanopia
83, 17.788, 229.024

Trichromacy



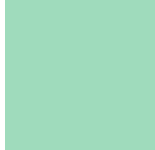
Original Color
83, 65.458, 133.218



Protanomaly
82, 54.180, 112.491



Deuteranomaly
82, 46.406, 103.455

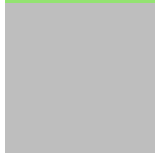


Tritanomaly
83, 27.050, 160.283

Monochromacy



Original Color
83, 65.458, 133.218



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 24.454, 135.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 65.458, 133.218 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(147, 227, 113)` looks like.

```
.text, #text, p{  
    color:rgb(147, 227, 113)  
}
```

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(147, 227, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 227, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 65.458, 133.218 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(147, 227, 113) }
```

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

```
.border{ border-color:rgb(147, 227, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 227, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 227, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 227, 113); box-shadow:4px 4px 4px 4px rgb(147, 227, 113) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 65.458, 133.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 227, 113) }
```

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

```
.background{ background-color: rgb(147,  
227, 113) }
```

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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