

Converting Colors

CIELCh(84, 65.028, 142.945)

Have a look what the booklet for
CIELCh(84, 65.028, 142.945)
contains.

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Color

CIELCh(84, 65.290, 142.789)

Conversions

Conversions Part 1

Format	Color
Hex	7BE984
RGB	123, 233, 132
RGB Percent	48%, 91%, 52%
CMY	0.5182, 0.0868, 0.4828
CMYK	0.47, 0.00, 0.43, 0.09
HSL	125°, 71%, 70%
HSV	125°, 47%, 91%
XYZ	41.4068, 64.0658, 31.9694
YIQ	188.5960, -33.1390, -54.7310

Conversions

Conversions Part 2

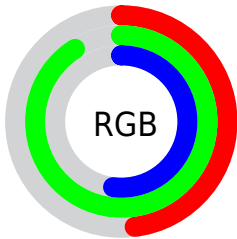
Format	Color
RYB	123, 225, 233
Decimal	8120708
CIELab	84.00, -52.00, 39.48
CIElCh	84, 65.290, 142.789
Yxy	64.0658, 0.3013, 0.4661
Android (android.graphics.Color)	4286310788 (0xFF7BE984)
YUV	188.5960, -27.9018, -57.5277
Hunter-Lab	80.0411, -47.7304, 32.3476

Details

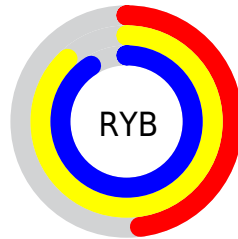
The CIELCh color **84, 65.290, 142.789** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67, 64.973, 329.434**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 44.266, 144.231**, and **64, 65.293, 142.718** is the 20% darker color. If you saturate the color by 10%, you get **83, 77.636, 141.580**, and if you desaturate by 10%, it is **85, 52.037, 143.869**.

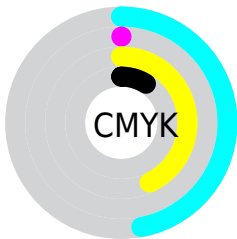
Distribution



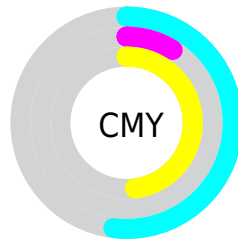
- Red (48%)
- Green (91%)
- Blue (52%)



- Red (48%)
- Yellow (88%)
- Blue (91%)



- Cyan (47%)
- Magenta (0%)
- Yellow (43%)
- Black (9%)




- Cyan (52%)
- Magenta (9%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 65.290, 142.789 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 84, 65.290, 142.789 by changing the saturation by 10% instead.

 84, 65.290,
142.789

 84, 65.290,
142.789


 100, 65.290,
142.789

 74, 65.290,
142.789

 64, 65.290,
142.789

 54, 65.290,
142.789

 44, 65.290,
142.789

 34, 65.290,
142.789


 24, 65.290,
142.789

 14, 65.290,


142.789


 4, 65.290, 142.789


 0, 65.290, 142.789


 84, 65.290,
142.789


 84, 65.290,
142.789

 83, 77.636,
141.580


 85, 52.037,
143.869


 82, 88.660,
140.276


 87, 38.231,
144.810

 81, 97.915,
138.954

 89, 24.171,
145.622

 81, 104.960,
137.731

 91, 10.091,
146.328

 81, 109.480,

 93, 3.832, 326.803

136.754

95, 13.818,
324.899

81, 110.320,
136.575

Harmonies

Complementary

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



84, 65.290, 142.789



67, 64.973, 329.434

Rectangle

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



84, 65.290, 142.789



84, 65.290, 192.789



84, 65.290, 322.789



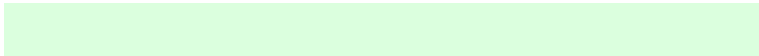
84, 65.290, 12.789

Sweetspot

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



84, 65.291, 142.789



97, 21.103, 145.855



90, 55.168, 108.769



51, 14.583, 145.697



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 65.291, 142.789



90, 83.211, 141.574



85, 44.598, 162.347



48, 7.982, 146.177



64, 91.046, 136.721



18, 36.681, 139.729

Inverse Universe

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



67, 64.973, 329.434



69, 82.194, 329.967



65, 48.169, 352.877



46, 7.997, 327.250



42, 83.808, 331.782



9, 36.227, 331.222

Previews

White Background



This preview shows how the CIELCh color 84, 65.290, 142.789 looks on a white background.

Color Contrast Check

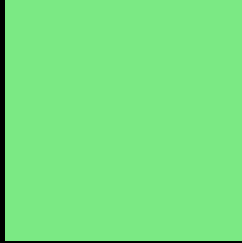
Large Text (above 18pt) WCAG AA × Fail

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 84, 65.290, 142.789 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 84, 65.290, 142.789

Background



This preview shows how black text looks on a background with the CIELCh color 84, 65.290, 142.789.

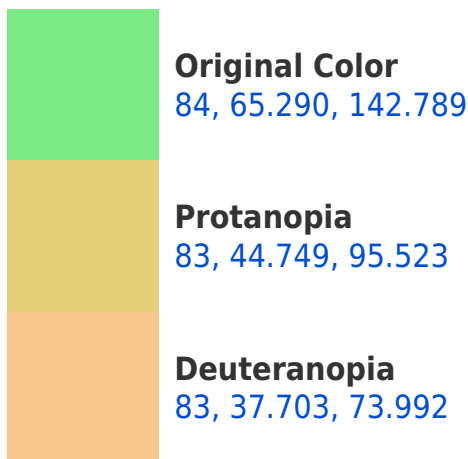



This preview shows how white text looks on a background with the CIELCh color 84, 65.290, 142.789.

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





Tritanopia
84, 24.590, 219.529

Trichromacy



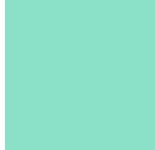
Original Color
84, 65.290, 142.789



Protanomaly
83, 47.900, 119.252



Deuteranomaly
82, 38.481, 111.612

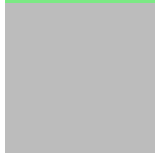


Tritanomaly
84, 32.412, 172.060

Monochromacy



Original Color
84, 65.290, 142.789



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 24.396, 145.984

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 65.290, 142.789 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(123, 233, 132)` looks like.

```
.text, #text, p{  
    color:rgb(123, 233, 132)  
}
```

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(123, 233, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 233, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 65.290, 142.789 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(123, 233, 132) }
```

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

```
.border{ border-color:rgb(123, 233, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 233, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 233, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 233, 132);  
box-shadow:4px 4px 4px 4px rgb(123, 233,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 65.290, 142.789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 233, 132) }
```

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

```
.background{ background-color: rgb(123,  
233, 132) }
```

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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