

Converting Colors

CIELCh(83, 62.145, 151.150)

Have a look what the booklet for
CIELCh(83, 62.145, 151.150)
contains.

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Color

CIELCh(83, 61.904, 151.194)

Conversions

Conversions Part 1

Format	Color
Hex	64E794
RGB	100, 231, 148
RGB Percent	39%, 91%, 58%
CMY	0.6068, 0.0931, 0.4187
CMYK	0.57, 0.00, 0.36, 0.09
HSL	142°, 73%, 65%
HSV	142°, 57%, 91%
XYZ	39.2951, 62.1629, 38.0406
YIQ	182.3690, -51.4330, -53.5850

Conversions

Conversions Part 2

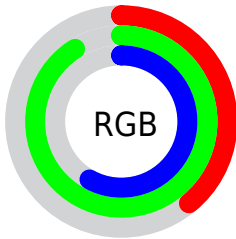
Format	Color
RYB	100, 196, 231
Decimal	6612884
CIELab	83.00, -54.24, 29.83
CIELCh	83, 61.904, 151.194
Yxy	62.1629, 0.2817, 0.4456
Android (android.graphics.Color)	4284802964 (0xFF64E794)
YUV	182.3690, -16.9439, -72.2376
Hunter-Lab	78.8435, -49.0128, 26.5841

Details

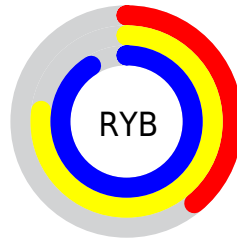
The CIELCh color **83, 61.904, 151.194** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **61, 62.786, 342.252**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 42.276, 157.618**, and **63, 61.928, 151.126** is the 20% darker color. If you saturate the color by 10%, you get **82, 71.128, 149.601**, and if you desaturate by 10%, it is **84, 51.862, 152.591**.

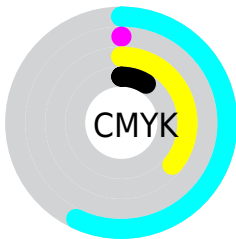
Distribution



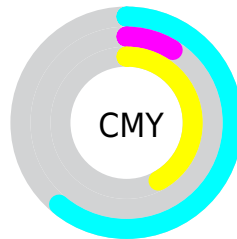
- Red (39%)
- Green (91%)
- Blue (58%)



- Red (39%)
- Yellow (77%)
- Blue (91%)



- Cyan (57%)
- Magenta (0%)
- Yellow (36%)
- Black (9%)





- Cyan (61%)
- Magenta (9%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 61.904, 151.194 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, 61.904, 151.194 by changing the saturation by 10% instead.


 83, 61.904,
151.194


 83, 61.904,
151.194


 100, 61.904,
151.194


 73, 61.904,
151.194

 63, 61.904,
151.194

 53, 61.904,
151.194

 43, 61.904,
151.194

 33, 61.904,
151.194

 23, 61.904,
151.194

 13, 61.904,

151.194

■ 3, 61.904, 151.194

■ 0, 61.904, 151.194

■ 83, 61.904,
151.194

■ 83, 61.904,
151.194

■ 82, 71.128,
149.601

■ 84, 51.862,
152.591

■ 82, 79.361,
147.807

■ 85, 41.202,
153.810

■ 81, 86.496,
145.828

■ 87, 30.130,
154.874

■ 81, 92.510,
143.718

■ 88, 18.839,
155.809

■ 81, 94.346,

■ 90, 7.492, 156.656

143.033

■ 92, 3.777, 337.217

■ 94, 13.135,
330.228

■ 94, 14.831,
324.936

Harmonies

Complementary

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



83, 61.904, 151.194



61, 62.786, 342.252

Rectangle

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



83, 61.904, 151.194



83, 61.904, 201.194



83, 61.904, 331.194



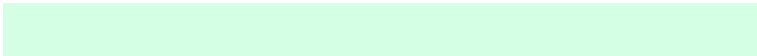
83, 61.904, 21.194

Sweetspot

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



83, 61.905, 151.194



96, 20.832, 155.769



86, 67.324, 120.790



51, 13.936, 155.588



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, 61.905, 151.194



90, 78.192, 149.307



84, 40.693, 181.840



47, 6.377, 156.421



64, 77.055, 143.420



18, 29.613, 147.461

Inverse Universe

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



61, 62.786, 342.252



63, 77.930, 343.845



59, 54.498, 15.727



45, 6.422, 337.747



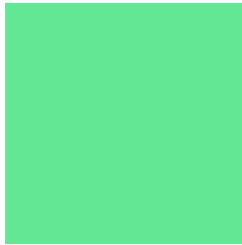
39, 67.999, 349.974



7, 29.378, 345.578

Previews

White Background



This preview shows how the CIELCh color 83, 61.904, 151.194 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, 61.904, 151.194 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, 61.904, 151.194

Background



This preview shows how black text looks on a background with the CIELCh color 83, 61.904, 151.194.

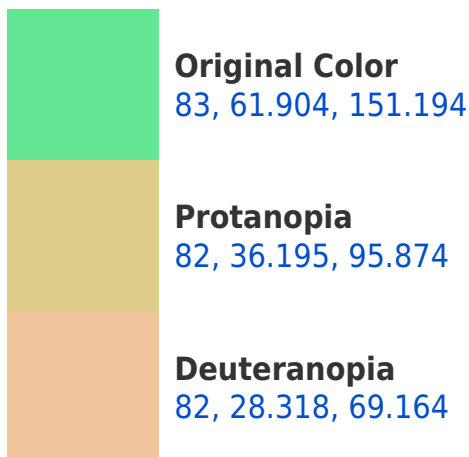



This preview shows how white text looks on a background with the CIELCh color 83, 61.904, 151.194.

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



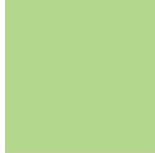


Tritanopia
83, 29.309, 216.781

Trichromacy



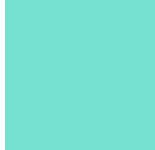
Original Color
83, 61.904, 151.194



Protanomaly
82, 41.097, 127.457



Deuteranomaly
81, 30.264, 121.806

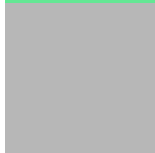


Tritanomaly
83, 35.702, 180.490

Monochromacy



Original Color
83, 61.904, 151.194



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 24.341, 154.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 61.904, 151.194 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(100, 231, 148)` looks like.

```
.text, #text, p{  
    color:rgb(100, 231, 148)  
}
```

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(100, 231, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 231, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 61.904, 151.194 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(100, 231, 148) }
```

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

```
.border{ border-color:rgb(100, 231, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 231, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 231, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 231, 148);  
box-shadow:4px 4px 4px 4px rgb(100, 231,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 61.904, 151.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 231, 148) }
```

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

```
.background{ background-color: rgb(100,  
231, 148) }
```

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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