

Converting Colors

CIELCh(83, 35.226, 203.991)

Have a look what the booklet for
CIELCh(83, 35.226, 203.991)
contains.

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Color

CIElCh(83, 35.412, 203.155)

Conversions

Conversions Part 1

Format	Color
Hex	64E1E8
RGB	100, 225, 232
RGB Percent	39%, 88%, 91%
CMY	0.6093, 0.1190, 0.0915
CMYK	0.57, 0.03, 0.00, 0.09
HSL	183°, 74%, 65%
HSV	183°, 57%, 91%
XYZ	46.5652, 62.1629, 85.6380
YIQ	188.4230, -76.7470, -24.3230

Conversions

Conversions Part 2

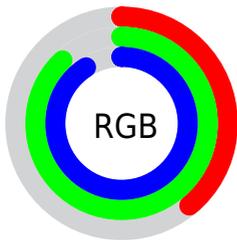
Format	Color
RYB	100, 164, 232
Decimal	6611432
CIELab	83.00, -32.56, -13.92
CIElCh	83, 35.412, 203.155
Yxy	62.1629, 0.2396, 0.3198
Android (android.graphics.Color)	4284801512 (0xFF64E1E8)
YUV	188.4230, 21.4835, -77.5470
Hunter-Lab	78.8435, -32.5534, -9.2090

Details

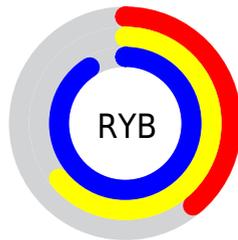
The CIELCh color **83, 35.412, 203.155** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **60, 55.278, 29.882**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.874, 197.638**, and **63, 35.400, 203.001** is the 20% darker color. If you saturate the color by 10%, you get **82, 38.873, 203.383**, and if you desaturate by 10%, it is **84, 30.968, 203.072**.

Distribution



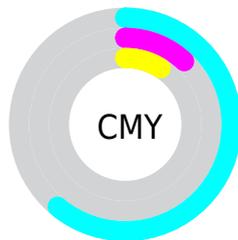
- Red (39%)
- Green (88%)
- Blue (91%)



- Red (39%)
- Yellow (64%)
- Blue (91%)



- Cyan (57%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (61%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 35.412, 203.155 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, 35.412, 203.155 by changing the saturation by 10% instead.

 83, 35.412,
203.155

 83, 35.412,
203.155

 100, 35.412,
203.155

 73, 35.412,
203.155

 63, 35.412,
203.155

 53, 35.412,
203.155

 43, 35.412,
203.155

 33, 35.412,
203.155

 23, 35.412,
203.155

 13, 35.412,

203.155

■ 3, 35.412, 203.155

■ 0, 35.412, 203.155

■ 83, 35.412,
203.155

■ 83, 35.412,
203.155

■ 82, 38.873,
203.383

■ 84, 30.968,
203.072

■ 81, 41.315,
203.777

■ 85, 25.624,
203.119

■ 81, 42.764,
204.352

■ 87, 19.492,
203.279

■ 80, 43.332,
205.112

■ 89, 12.700,
203.539

■ 80, 43.415,

■ 90, 5.376, 203.922

205.360

■ 92, 2.361, 23.919

■ 94, 7.906, 25.790

■ 94, 7.557, 30.835

■ 95, 7.273, 36.320

Harmonies

Complementary

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



83, 35.412, 203.155



60, 55.278, 29.882

Rectangle

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



83, 35.412, 203.155



83, 35.412, 253.155



83, 35.412, 23.155



83, 35.412, 73.155

Sweetspot

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



83, 35.412, 203.153



97, 13.727, 203.536



83, 78.637, 140.772



51, 9.123, 203.476



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

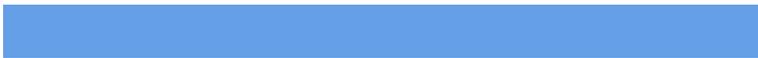
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 35.412, 203.153



89, 42.222, 203.426



64, 42.494, 272.356



47, 4.304, 203.809



63, 35.758, 205.198



17, 15.152, 203.749

Inverse Universe

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



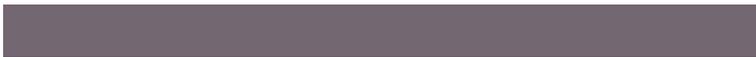
63, 77.597, 328.989



65, 95.577, 329.485



75, 47.466, 73.003



45, 8.012, 326.404



42, 84.837, 330.453



8, 35.829, 330.094

Previews

White Background



This preview shows how the CIE LCh color 83, 35.412, 203.155 looks on a white background.

Color Contrast Check

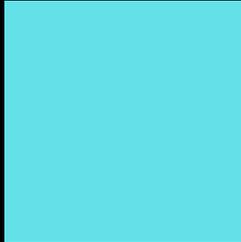
Large Text (above 18pt) WCAG AA × Fail

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, 35.412, 203.155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

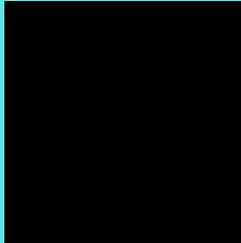
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 35.412, 203.155

Background



This preview shows how black text looks on a background with the CIELCh color 83, 35.412, 203.155.

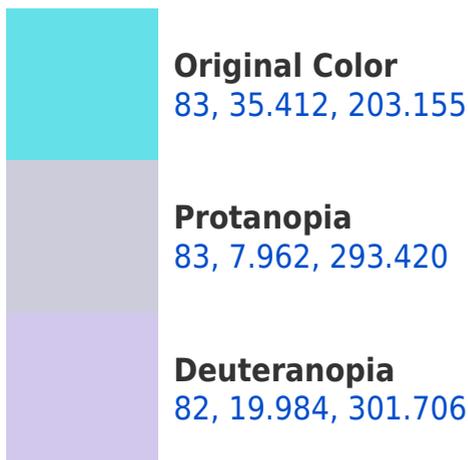


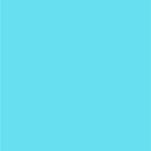
This preview shows how white text looks on a background with the CIELCh color 83, 35.412, 203.155.

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, 34.321, 213.580

Trichromacy



Original Color
83, 35.412, 203.155



Protanomaly
82, 16.050, 221.936



Deuteranomaly
82, 18.387, 247.663



Tritanomaly
83, 34.634, 209.696

Monochromacy



Original Color
83, 35.412, 203.155



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 15.388, 204.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 35.412, 203.155 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, 225, 232)` looks like.

```
.text, #text, p{  
    color:rgb(100, 225, 232)  
}
```

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, 225, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 225, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 35.412, 203.155 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, 225, 232) }
```

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

```
.border{ border-color:rgb(100, 225, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 225, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 225, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 225, 232);  
box-shadow:4px 4px 4px 4px rgb(100, 225,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 35.412, 203.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 225, 232) }
```

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

```
.background{ background-color: rgb(100,  
225, 232) }
```

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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