

Converting Colors

CIELCh(91, 12.742, 158.117)

Have a look what the booklet for
CIELCh(91, 12.742, 158.117)
contains.

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Color

CIELCh(91, 12.752, 158.113)

Conversions

Conversions Part 1

Format	Color
Hex	D1ECDC
RGB	209, 236, 220
RGB Percent	82%, 93%, 86%
CMY	0.1815, 0.0757, 0.1384
CMYK	0.11, 0.00, 0.07, 0.08
HSL	144°, 41%, 87%
HSV	144°, 11%, 92%
XYZ	69.0005, 78.4833, 79.0179
YIQ	226.1030, -10.9560, -10.7000

Conversions

Conversions Part 2

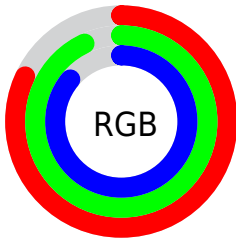
Format	Color
R_{YB}	209, 228, 236
Decimal	13757660
CIE _{Lab}	91.00, -11.83, 4.75
CIE _{LCh}	91, 12.752, 158.113
Y _{xy}	78.4833, 0.3046, 0.3465
Android (android.graphics.Color)	4291947740 (0xFFD1ECDC)
Y _{UV}	226.1030, -3.0088, -14.9993
Hunter-Lab	88.5908, -16.0060, 9.1303

Details

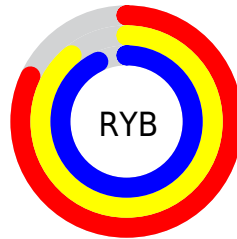
The CIELCh color **91, 12.752, 158.113** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86, 12.879, 339.831**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 12.775, 158.605** is the 20% darker color. If you saturate the color by 10%, you get **89, 23.901, 157.202**, and if you desaturate by 10%, it is **93, 1.606, 159.133**.

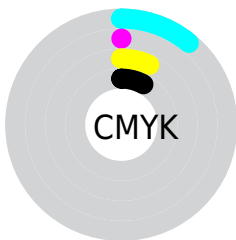
Distribution



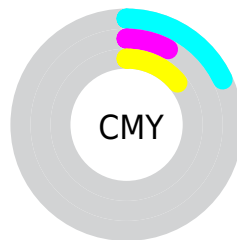
- Red (82%)
- Green (93%)
- Blue (86%)



- Red (82%)
- Yellow (89%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (7%)
- Black (8%)





- Cyan (18%)
- Magenta (8%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 12.752, 158.113 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 91, 12.752, 158.113 by changing the saturation by 10% instead.


 91, 12.752,
158.113


 91, 12.752,
158.113


 100, 12.752,
158.113


 81, 12.752,
158.113


 71, 12.752,
158.113

 61, 12.752,
158.113

 51, 12.752,
158.113

 41, 12.752,
158.113

 31, 12.752,
158.113

 21, 12.752,

158.113

■ 11, 12.752,
158.113

■ 1, 12.752, 158.113

■ 91, 12.752,
158.113

■ 91, 12.752,
158.113

■ 89, 23.901,
157.202

■ 93, 1.606, 159.133

■ 88, 34.900,
156.184

■ 95, 9.203, 338.285

■ 86, 45.576,
155.026

■ 95, 12.039,
324.834

■ 85, 55.733,
153.702

■ 84, 65.172,
152.190

■ 83, 73.718,
150.473

■ 83, 81.242,
148.549

■ 82, 87.697,
146.442

■ 82, 92.463,
144.583

Harmonies

Complementary

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



91, 12.752, 158.113



86, 12.879, 339.831

Rectangle

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



91, 12.752, 158.113



91, 12.752, 208.113



91, 12.752, 338.113



91, 12.752, 28.113

Sweetspot

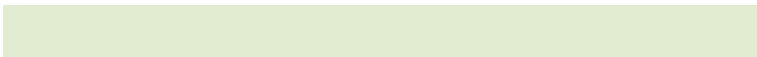
The Sweet Spot groups the original color and five complimentary colors.



91, 12.754, 158.111



99, 3.544, 158.879



92, 14.474, 124.940



53, 2.689, 158.790



0, 0.000, 0.000



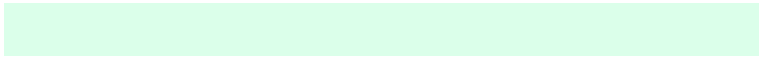
53, 0.007, 296.813

Same Dimension

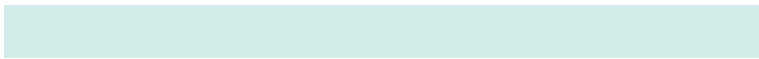
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 12.754, 158.111



97, 16.625, 157.882



91, 9.480, 190.325



48, 6.298, 158.283



65, 75.215, 144.986



19, 29.646, 148.881

Inverse Universe

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



86, 12.879, 339.831



91, 16.818, 340.050



86, 10.060, 12.072



46, 6.351, 339.664



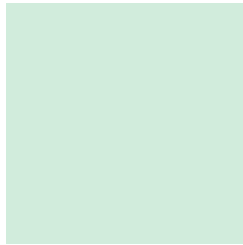
39, 67.378, 353.484



8, 29.711, 348.522

Previews

White Background



This preview shows how the CIE LCh color 91, 12.752, 158.113 looks on a white background.

Color Contrast Check

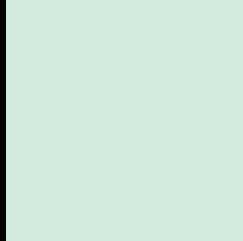
Large Text (above 18pt) WCAG AA × Fail

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 91, 12.752, 158.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

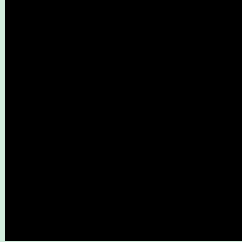
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

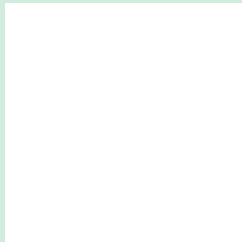
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 12.752, 158.113

Background



This preview shows how black text looks on a background with the CIELCh color 91, 12.752, 158.113.

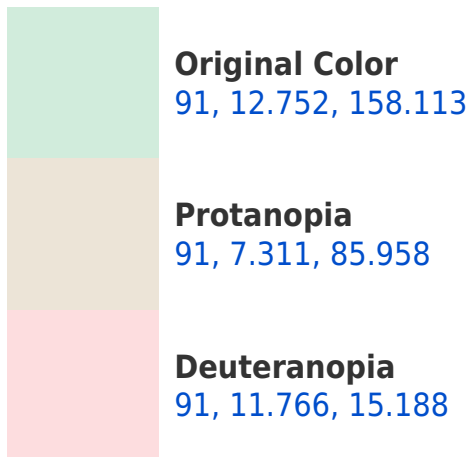


This preview shows how white text looks on a background with the CIELCh color 91, 12.752, 158.113.

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](#).

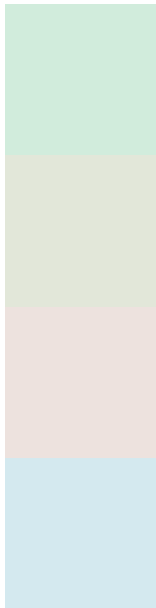
Dichromacy





Tritanopia
91, 11.273, 260.409

Trichromacy



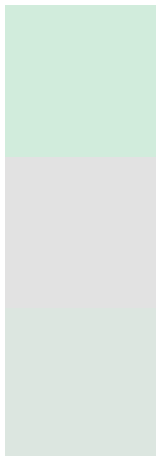
Original Color
91, 12.752, 158.113

Protanomaly
91, 7.469, 123.627

Deuteranomaly
91, 4.479, 46.993

Tritanomaly
91, 7.792, 222.625

Monochromacy



Original Color
91, 12.752, 158.113

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 4.755, 158.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 12.752, 158.113 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(209, 236, 220)` looks like.

```
.text, #text, p{  
    color:rgb(209, 236, 220)  
}
```

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(209, 236, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 236, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 12.752, 158.113 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(209, 236, 220) }
```

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

```
.border{ border-color:rgb(209, 236, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 236, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 236, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 236, 220);  
box-shadow:4px 4px 4px 4px rgb(209, 236,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 12.752, 158.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 236, 220) }
```

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

```
.background{ background-color: rgb(209,  
236, 220) }
```

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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