

Converting Colors

CIELCh(91, 11.638, 179.557)

Have a look what the booklet for
CIELCh(91, 11.638, 179.557)
contains.

CIELCh(91, 11.752, 180.638)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(91, 11.752, 180.638)

Conversions

Conversions Part 1

Format	Color
Hex	CCECE5
RGB	204, 236, 229
RGB Percent	80%, 93%, 90%
CMY	0.2000, 0.0745, 0.1020
CMYK	0.14, 0.00, 0.03, 0.07
HSL	167°, 46%, 86%
HSV	167°, 14%, 93%
XYZ	69.0381, 78.4833, 85.6370
YIQ	225.6340, -16.8250, -8.9610

Conversions

Conversions Part 2

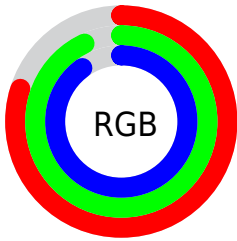
Format	Color
R_{YB}	204, 222, 236
Decimal	13429989
CIE _{Lab}	91.00, -11.75, -0.13
CIE _{LCh}	91, 11.752, 180.638
Yxy	78.4833, 0.2961, 0.3366
Android (android.graphics.Color)	4291620069 (0xFFCCECE5)
YUV	225.6340, 1.6594, -18.9730
Hunter-Lab	88.5908, -15.9303, 4.7004

Details

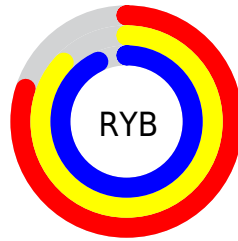
The CIELCh color **91, 11.752, 180.638** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85, 12.370, 3.112**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 11.431, 181.802** is the 20% darker color. If you saturate the color by 10%, you get **89, 20.084, 179.635**, and if you desaturate by 10%, it is **93, 3.119, 181.689**.

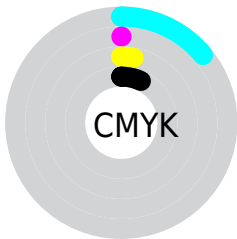
Distribution



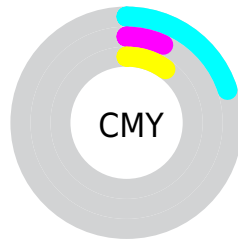
- Red (80%)
- Green (93%)
- Blue (90%)



- Red (80%)
- Yellow (87%)
- Blue (93%)



- Cyan (14%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)





- Cyan (20%)
- Magenta (7%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 11.752, 180.638 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, 11.752, 180.638 by changing the saturation by 10% instead.


 91, 11.752,
180.638


 91, 11.752,
180.638


 100, 11.752,
180.638


 81, 11.752,
180.638


 71, 11.752,
180.638

 61, 11.752,
180.638

 51, 11.752,
180.638

 41, 11.752,
180.638

 31, 11.752,
180.638

 21, 11.752,

180.638

■ 11, 11.752,
180.638

■ 1, 11.752, 180.638

■ 91, 11.752,
180.638

■ 91, 11.752,
180.638

■ 89, 20.084,
179.635

■ 93, 3.119, 181.689

■ 88, 27.972,
178.587

■ 95, 5.696, 2.285

■ 95, 8.055, 347.206

■ 87, 35.268,
177.461

■ 95, 9.733, 334.001

■ 86, 41.826,
176.238

■ 95, 11.778,
325.079

■ 85, 47.517,
174.893

■ 95, 11.853,
324.827

■ 85, 52.255,
173.402

■ 84, 56.013,
171.743

■ 84, 58.849,
169.902

■ 84, 60.325,
168.654

Harmonies

Complementary

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



91, 11.752, 180.638



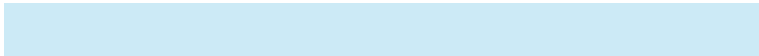
85, 12.370, 3.112

Rectangle

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



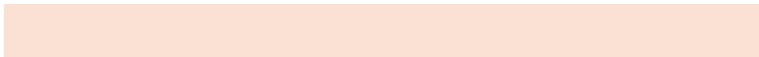
91, 11.752, 180.638



91, 11.752, 230.638



91, 11.752, 0.638



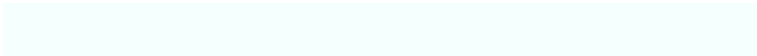
91, 11.752, 50.638

Sweetspot

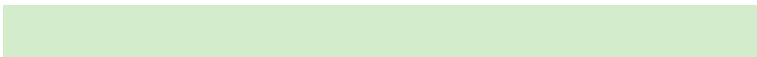
The Sweet Spot groups the original color and five complimentary colors.



91, 11.754, 180.631



99, 3.730, 181.627



91, 18.855, 137.188



53, 2.650, 181.533



0, 0.000, 0.000



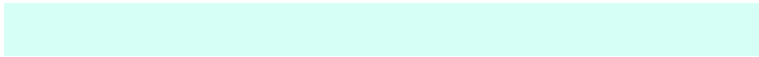
53, 0.007, 296.813

Same Dimension

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



91, 11.754, 180.631



97, 14.712, 180.385



89, 9.082, 228.385



48, 4.926, 181.036



66, 49.226, 169.012



19, 20.239, 172.227

Inverse Universe

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



85, 12.370, 3.112



89, 15.636, 3.398



87, 9.843, 46.723



46, 5.104, 2.660



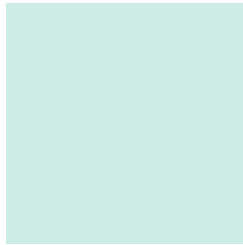
38, 70.942, 27.916



7, 27.875, 13.595

Previews

White Background



This preview shows how the CIELCh color 91, 11.752, 180.638 looks on a white background.

Color Contrast Check

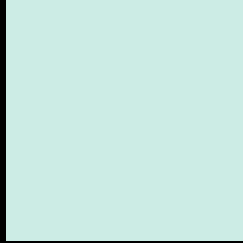
Large Text (above 18pt) WCAG AA × Fail

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, 11.752, 180.638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

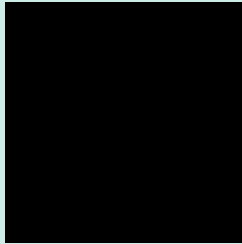
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

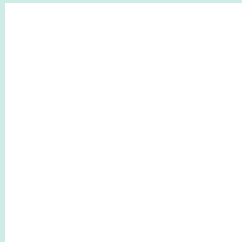
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 11.752, 180.638

Background



This preview shows how black text looks on a background with the CIELCh color 91, 11.752, 180.638.

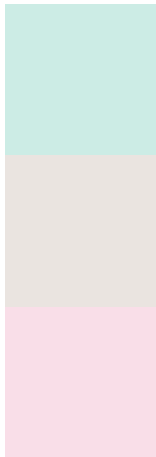


This preview shows how white text looks on a background with the CIELCh color 91, 11.752, 180.638.

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

91, 11.752, 180.638

Protanopia

91, 2.974, 63.293

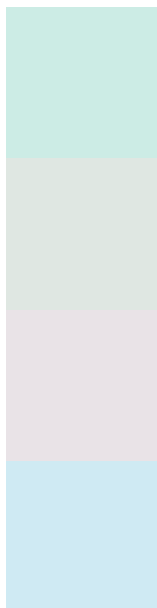
Deuteranopia

91, 11.033, 352.246



Tritanopia
91, 12.348, 248.337

Trichromacy



Original Color
91, 11.752, 180.638

Protanomaly
91, 3.868, 157.338

Deuteranomaly
91, 3.002, 335.715

Tritanomaly
91, 10.166, 226.330

Monochromacy



Original Color
91, 11.752, 180.638

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 4.539, 179.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 11.752, 180.638 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(204, 236, 229)` looks like.

```
.text, #text, p{  
    color:rgb(204, 236, 229)  
}
```

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(204, 236, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 236, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 11.752, 180.638 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(204, 236, 229) }
```

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

```
.border{ border-color:rgb(204, 236, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 236, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 236, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 236, 229);  
box-shadow:4px 4px 4px 4px rgb(204, 236,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 11.752, 180.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 236, 229) }
```

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

```
.background{ background-color: rgb(204,  
236, 229) }
```

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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