

Converting Colors

CIELCh(91, 12.071, 181.101)

Have a look what the booklet for
CIELCh(91, 12.071, 181.101)
contains.

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Color

CIELCh(91, 12.071, 181.101)

Conversions

Conversions Part 1

Format	Color
Hex	CBECE5
RGB	203, 236, 229
RGB Percent	80%, 93%, 90%
CMY	0.2032, 0.0738, 0.1013
CMYK	0.14, 0.00, 0.03, 0.07
HSL	167°, 47%, 86%
HSV	167°, 14%, 93%
XYZ	68.8919, 78.4833, 85.7777
YIQ	225.3350, -17.4210, -9.1730

Conversions

Conversions Part 2

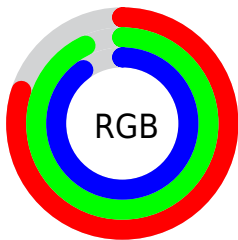
Format	Color
R _Y B	203, 221, 236
Decimal	13364453
CIE Lab	91.00, -12.07, -0.23
CIE LCh	91, 12.071, 181.101
Yxy	78.4833, 0.2955, 0.3366
Android (android.graphics.Color)	4291554533 (0xFFCBECE5)
YUV	225.3350, 1.8068, -19.5878
Hunter-Lab	88.5908, -16.2249, 4.6063

Details

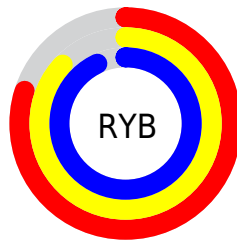
The CIELCh color **91, 12.071, 181.101** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85, 12.739, 3.653**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 11.763, 182.252** is the 20% darker color. If you saturate the color by 10%, you get **89, 20.356, 180.103**, and if you desaturate by 10%, it is **93, 3.474, 182.133**.

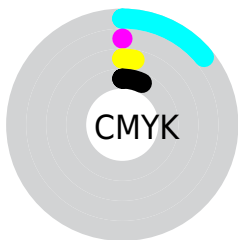
Distribution



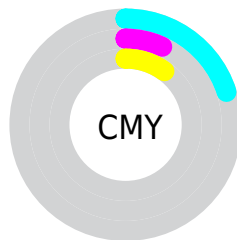
- Red (80%)
- Green (93%)
- Blue (90%)



- 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, 12.071, 181.101 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, 12.071, 181.101 by changing the saturation by 10% instead.


 91, 12.071,
181.101


 91, 12.071,
181.101


 100, 12.071,
181.101


 81, 12.071,
181.101


 71, 12.071,
181.101

 61, 12.071,
181.101

 51, 12.071,
181.101

 41, 12.071,
181.101

 31, 12.071,
181.101

 21, 12.071,

181.101

■ 11, 12.071,
181.101

■ 1, 12.071, 181.101

■ 91, 12.071,
181.101

■ 91, 12.071,
181.101

■ 89, 20.356,
180.103

■ 93, 3.474, 182.133

■ 88, 28.184,
179.060

■ 95, 5.318, 2.737

■ 95, 7.876, 348.379

■ 87, 35.408,
177.942

■ 95, 9.464, 335.024

■ 86, 41.882,
176.728

■ 95, 11.422,
325.922

■ 85, 47.480,
175.395

■ 95, 11.739,
324.823

■ 85, 52.117,
173.918

■ 84, 55.773,
172.275

■ 84, 58.507,
170.454

■ 84, 59.844,
169.302

Harmonies

Complementary

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



91, 12.071, 181.101



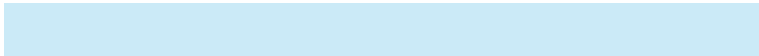
85, 12.739, 3.653

Rectangle

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



91, 12.071, 181.101



91, 12.071, 231.101



91, 12.071, 1.101



91, 12.071, 51.101

Sweetspot

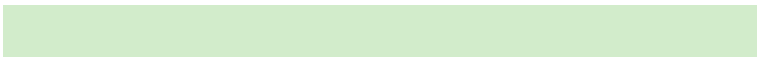
The Sweet Spot groups the original color and five complimentary colors.



91, 12.073, 181.095



99, 3.719, 182.127



91, 19.545, 137.662



53, 2.642, 182.034



0, 0.000, 0.000



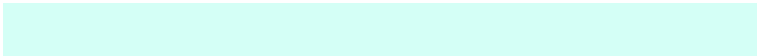
53, 0.007, 296.813

Same Dimension

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



91, 12.073, 181.095



97, 15.553, 180.791



89, 9.333, 230.572



48, 4.910, 181.538



66, 48.812, 169.656



19, 20.095, 172.820

Inverse Universe

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



85, 12.739, 3.653



89, 16.617, 4.009



87, 10.118, 48.648



46, 5.091, 3.154



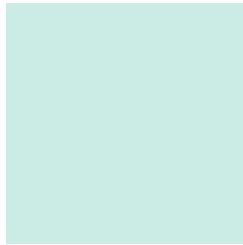
38, 71.242, 28.433



7, 27.886, 13.898

Previews

White Background



This preview shows how the CIELCh color 91, 12.071, 181.101 looks on a white background.

Color Contrast Check

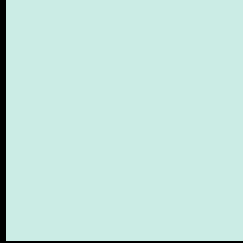
Large Text (above 18pt) WCAG AA × Fail

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, 12.071, 181.101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

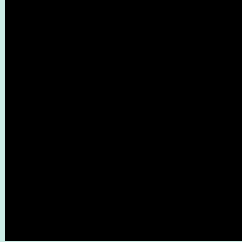
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

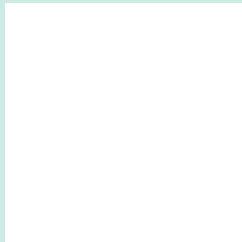
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 12.071, 181.101

Background



This preview shows how black text looks on a background with the CIELCh color 91, 12.071, 181.101.

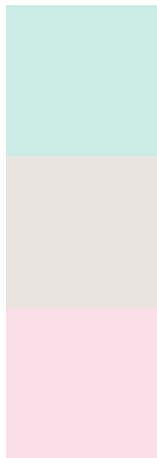


This preview shows how white text looks on a background with the CIELCh color 91, 12.071, 181.101.

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, 12.071, 181.101

Protanopia

91, 2.974, 63.293

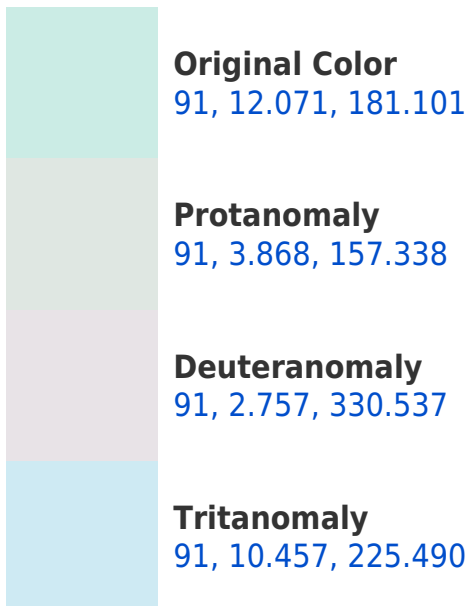
Deuteranopia

91, 11.033, 352.246



Tritanopia
91, 12.561, 247.215

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 12.071, 181.101 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(203, 236, 229)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 236, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 236, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 12.071, 181.101 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(203, 236, 229) }
```

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

```
.border{ border-color:rgb(203, 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(203, 236, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 236, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 236, 229);  
box-shadow:4px 4px 4px 4px rgb(203, 236,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 12.071, 181.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 236, 229) }
```

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

```
.background{ background-color: rgb(203,  
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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