

Converting Colors

CIELCh(91, 12.100, 203.603)

Have a look what the booklet for
CIELCh(91, 12.100, 203.603)
contains.

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Color

CIELCh(91, 12.237, 203.534)

Conversions

Conversions Part 1

Format	Color
Hex	C8ECEE
RGB	200, 236, 238
RGB Percent	78%, 93%, 93%
CMY	0.2155, 0.0743, 0.0665
CMYK	0.16, 0.01, 0.00, 0.07
HSL	183°, 53%, 86%
HSV	183°, 16%, 93%
XYZ	69.2836, 78.4833, 92.4264
YIQ	225.4640, -22.0980, -7.0100

Conversions

Conversions Part 2

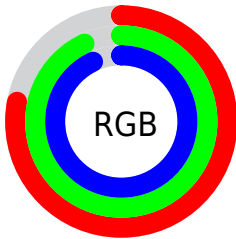
Format	Color
R _Y B	200, 218, 238
Decimal	13167854
CIE Lab	91.00, -11.22, -4.89
CIE LCh	91, 12.237, 203.534
Yxy	78.4833, 0.2884, 0.3268
Android (android.graphics.Color)	4291357934 (0xFFC8ECEE)
YUV	225.4640, 6.1802, -22.3319
Hunter-Lab	88.5908, -15.4357, 0.1566

Details

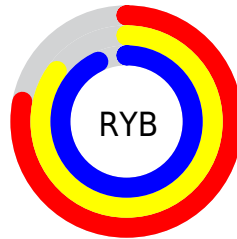
The CIELCh color **91, 12.237, 203.534** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 13.610, 24.783**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 12.024, 203.722** is the 20% darker color. If you saturate the color by 10%, you get **89, 19.245, 203.253**, and if you desaturate by 10%, it is **93, 4.698, 203.934**.

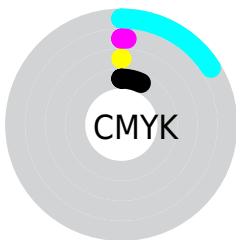
Distribution



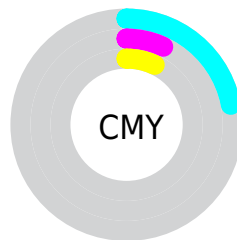
- Red (78%)
- Green (93%)
- Blue (93%)



- Red (78%)
- Yellow (85%)
- Blue (93%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)





- Cyan (22%)
- Magenta (7%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 12.237, 203.534 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, 12.237, 203.534 by changing the saturation by 10% instead.


 91, 12.237,
203.534


 91, 12.237,
203.534


 100, 12.237,
203.534


 81, 12.237,
203.534


 71, 12.237,
203.534

 61, 12.237,
203.534

 51, 12.237,
203.534

 41, 12.237,
203.534

 31, 12.237,
203.534

 21, 12.237,

203.534

■ 11, 12.237,
203.534

■ 1, 12.237, 203.534

■ 91, 12.237,
203.534

■ 91, 12.237,
203.534

■ 89, 19.245,
203.253

■ 93, 4.698, 203.934

■ 88, 25.588,
203.081

■ 95, 3.252, 23.987

■ 96, 5.509, 29.007

■ 86, 31.137,
203.018

■ 96, 5.214, 36.706

■ 85, 35.775,
203.083

■ 96, 5.023, 45.151

■ 97, 4.949, 54.045

■ 84, 39.412,
203.294

■ 97, 4.997, 62.977

■ 83, 42.007,
203.668

■ 97, 5.163, 71.528

■ 83, 43.580,
204.220

■ 98, 5.436, 79.375

■ 82, 44.229,
204.959

■ 82, 44.335,
205.292

Harmonies

Complementary

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



91, 12.237, 203.534



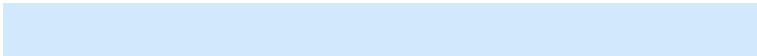
84, 13.610, 24.783

Rectangle

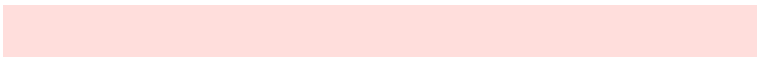
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



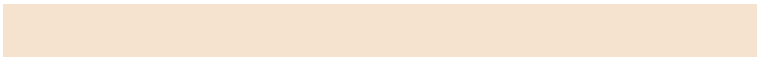
91, 12.237, 203.534



91, 12.237, 253.534



91, 12.237, 23.534



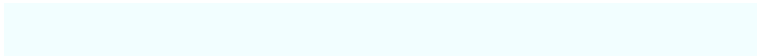
91, 12.237, 73.534

Sweetspot

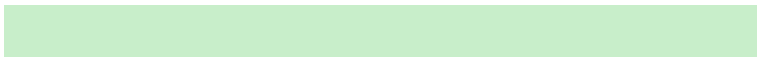
The Sweet Spot groups the original color and five complimentary colors.



91, 12.238, 203.526



99, 4.175, 203.993



91, 23.288, 144.805



53, 2.843, 203.948



0, 0.000, 0.000



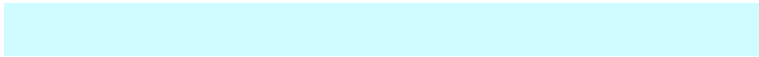
53, 0.007, 296.813

Same Dimension

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



91, 12.238, 203.526



96, 15.252, 203.430



86, 12.264, 262.926



49, 4.462, 203.763



65, 36.528, 205.136



19, 16.086, 203.838

Inverse Universe

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



85, 23.276, 326.771



88, 29.317, 326.950



89, 12.618, 78.567



47, 8.306, 326.393



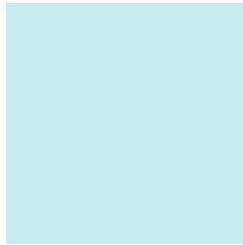
43, 86.654, 330.437



10, 38.045, 330.116

Previews

White Background



This preview shows how the CIE LCh color 91, 12.237, 203.534 looks on a white background.

Color Contrast Check

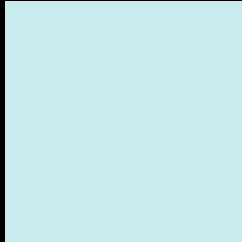
Large Text (above 18pt) WCAG AA × Fail

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, 12.237, 203.534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

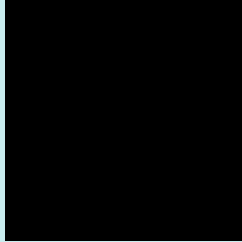
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

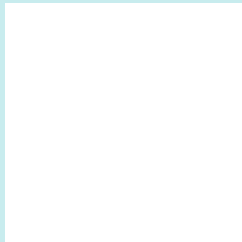
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 12.237, 203.534

Background



This preview shows how black text looks on a background with the CIELCh color 91, 12.237, 203.534.

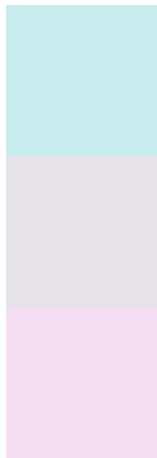


This preview shows how white text looks on a background with the CIELCh color 91, 12.237, 203.534.

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, 12.237, 203.534

Protanopia

91, 2.823, 312.512

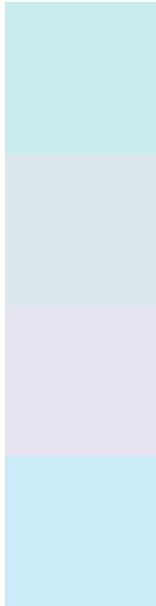
Deuteranopia

91, 12.834, 330.182



Tritanopia
91, 13.670, 242.165

Trichromacy



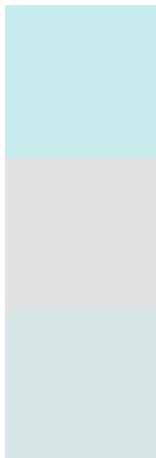
Original Color
91, 12.237, 203.534

Protanomaly
91, 4.332, 227.951

Deuteranomaly
91, 6.800, 296.620

Tritanomaly
91, 12.509, 228.756

Monochromacy



Original Color
91, 12.237, 203.534

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 4.565, 199.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 12.237, 203.534 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(200, 236, 238)` looks like.

```
.text, #text, p{  
    color:rgb(200, 236, 238)  
}
```

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(200, 236, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 236, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 12.237, 203.534 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(200, 236, 238) }
```

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

```
.border{ border-color:rgb(200, 236, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 236, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 236, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 236, 238);  
box-shadow:4px 4px 4px 4px rgb(200, 236,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 12.237, 203.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 236, 238) }
```

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

```
.background{ background-color: rgb(200,  
236, 238) }
```

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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