

Converting Colors

CIELCh(91, 23.424, 196.169)

Have a look what the booklet for
CIELCh(91, 23.424, 196.169)
contains.

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Color

CIELCh(91, 23.304, 196.633)

Conversions

Conversions Part 1

Format	Color
Hex	AAF2F1
RGB	170, 242, 241
RGB Percent	67%, 95%, 95%
CMY	0.3329, 0.0505, 0.0545
CMYK	0.30, 0.00, 0.00, 0.05
HSL	179°, 74%, 81%
HSV	179°, 30%, 95%
XYZ	64.2776, 78.4833, 95.0639
YIQ	220.3580, -42.5910, -15.5750

Conversions

Conversions Part 2

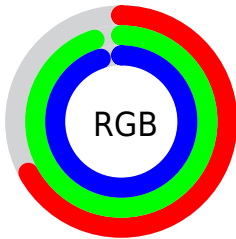
Format	Color
R_{YB}	170, 206, 242
Decimal	11203313
CIE _{Lab}	91.00, -22.33, -6.67
CIE _{LCh}	91, 23.304, 196.633
Yxy	78.4833, 0.2703, 0.3300
Android (android.graphics.Color)	4289393393 (0xFFAAF2F1)
YUV	220.3580, 10.1765, -44.1640
Hunter-Lab	88.5908, -25.5221, -1.6086

Details

The CIELCh color **91, 23.304, 196.633** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **76, 28.450, 20.846**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.514, 198.874**, and **71, 23.376, 196.236** is the 20% darker color. If you saturate the color by 10%, you get **90, 29.850, 196.150**, and if you desaturate by 10%, it is **92, 16.017, 197.159**.

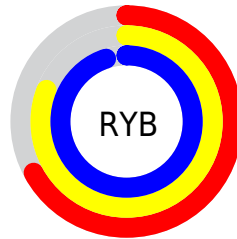
Distribution



Red (67%)

Green (95%)

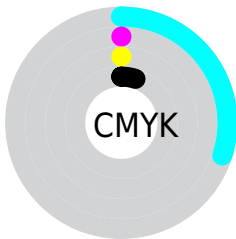
Blue (95%)



Red (67%)

Yellow (81%)

Blue (95%)

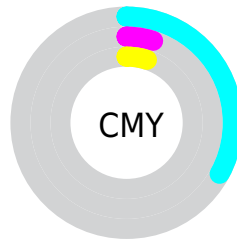


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (33%)


Magenta (5%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 23.304, 196.633 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, 23.304, 196.633 by changing the saturation by 10% instead.


 91, 23.304,
196.633


 91, 23.304,
196.633


 100, 23.304,
196.633


 81, 23.304,
196.633

 71, 23.304,
196.633

 61, 23.304,
196.633

 51, 23.304,
196.633

 41, 23.304,
196.633

 31, 23.304,
196.633

 21, 23.304,

196.633

■ 11, 23.304,
196.633

■ 1, 23.304, 196.633

■ 91, 23.304,
196.633

■ 91, 23.304,
196.633

■ 90, 29.850,
196.150

■ 92, 16.017,
197.159

■ 89, 35.521,
195.720

■ 94, 8.129, 197.752

■ 96, 0.224, 15.425

■ 88, 40.207,
195.339

■ 97, 4.591, 17.370

■ 88, 43.839,
195.008

■ 97, 4.601, 15.229

■ 87, 46.402,
194.719

■ 97, 4.616, 13.100

■ 87, 47.950,
194.467

■ 97, 4.638, 10.989

■ 87, 48.680,
194.240

■ 97, 4.667, 8.900

■ 87, 48.695,
194.234

■ 97, 4.701, 6.840

Harmonies

Complementary

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



91, 23.304, 196.633



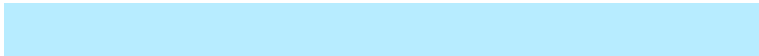
76, 28.450, 20.846

Rectangle

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



91, 23.304, 196.633



91, 23.304, 246.633



91, 23.304, 16.633



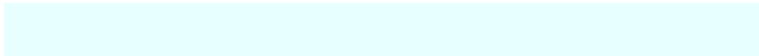
91, 23.304, 66.633

Sweetspot

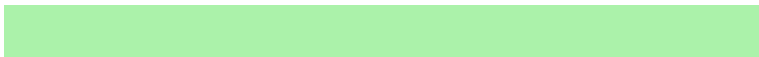
The Sweet Spot groups the original color and five complimentary colors.



91, 23.305, 196.629



98, 7.848, 197.799



89, 45.296, 141.957



52, 5.433, 197.704



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, 23.305, 196.629



95, 28.666, 196.319



82, 21.572, 258.246



49, 4.707, 197.770



68, 39.564, 194.271



21, 17.245, 194.562

Inverse Universe

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



76, 28.450, 20.846



76, 36.731, 21.720



85, 23.641, 69.946



47, 4.991, 18.811



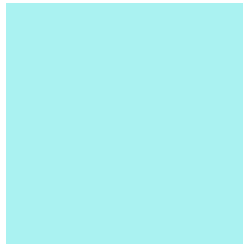
38, 81.063, 39.423



8, 29.760, 23.249

Previews

White Background



This preview shows how the CIE LCh color 91, 23.304, 196.633 looks on a white background.

Color Contrast Check

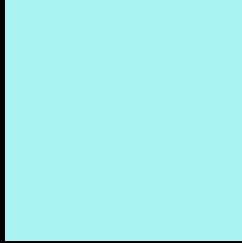
Large Text (above 18pt) WCAG AA × Fail

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, 23.304, 196.633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

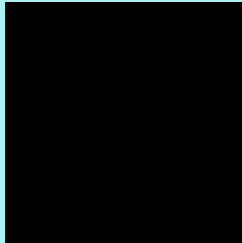
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 23.304, 196.633

Background



This preview shows how black text looks on a background with the CIELCh color 91, 23.304, 196.633.

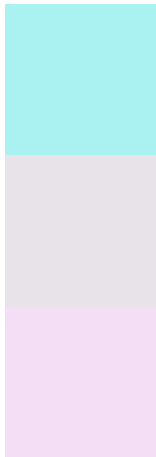


This preview shows how white text looks on a background with the CIELCh color 91, 23.304, 196.633.

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, 23.304, 196.633

Protanopia
91, 2.981, 318.829

Deuteranopia
91, 14.095, 322.526

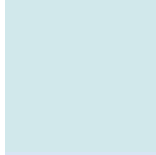


Tritanopia
91, 19.677, 225.187

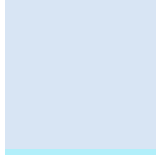
Trichromacy



Original Color
91, 23.304, 196.633



Protanomaly
90, 8.052, 210.142



Deuteranomaly
90, 8.880, 260.792

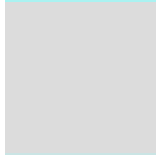


Tritanomaly
91, 20.219, 214.733

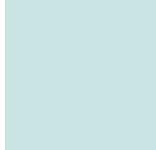
Monochromacy



Original Color
91, 23.304, 196.633



Achromatopsia
88, 0.010, 296.813



Achromatomaly
89, 9.015, 198.853

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 23.304, 196.633 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(170, 242, 241)` looks like.

```
.text, #text, p{  
    color:rgb(170, 242, 241)  
}
```

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(170, 242, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 242, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 23.304, 196.633 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(170, 242, 241) }
```

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

```
.border{ border-color:rgb(170, 242, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 242, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 242, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 242, 241);  
box-shadow:4px 4px 4px 4px rgb(170, 242,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 23.304, 196.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 242, 241) }
```

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

```
.background{ background-color: rgb(170,  
242, 241) }
```

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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