

Converting Colors

CIELCh(90, 53.170, 183.634)

Have a look what the booklet for
CIELCh(90, 53.170, 183.634)
contains.

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Color

CIELCh(90, 53.180, 183.594)

Conversions

Conversions Part 1

Format	Color
Hex	1DFDE7
RGB	29, 253, 231
RGB Percent	11%, 99%, 91%
CMY	0.8858, 0.0077, 0.0940
CMYK	0.88, 0.00, 0.09, 0.01
HSL	174°, 98%, 55%
HSV	174°, 88%, 99%
XYZ	50.0721, 76.3034, 87.7112
YIQ	183.5160, -126.4420, -54.3300

Conversions

Conversions Part 2

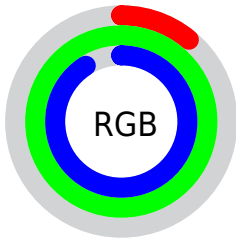
Format	Color
R _{YB}	29, 147, 253
Decimal	1965543
CIE _{Lab}	90.00, -53.08, -3.33
CIE _{LCh}	90, 53.180, 183.594
Y _{xy}	76.3034, 0.2339, 0.3564
Android (android.graphics.Color)	4280155623 (0xFF1DFDE7)
YUV	183.5160, 23.4096, -135.5105
Hunter-Lab	87.3518, -50.5453, 1.6123

Details

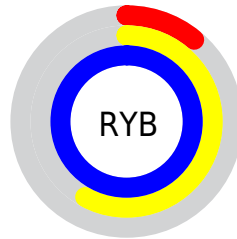
The CIELCh color **90, 53.180, 183.594** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **54, 91.345, 31.829**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.689, 197.109**, and **71, 44.873, 182.554** is the 20% darker color. If you saturate the color by 10%, you get **90, 54.561, 182.427**, and if you desaturate by 10%, it is **90, 50.889, 184.664**.

Distribution



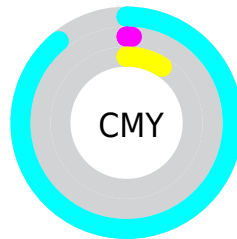
- Red (11%)
- Green (99%)
- Blue (91%)



- Red (11%)
- Yellow (58%)
- Blue (99%)



- Cyan (88%)
- Magenta (0%)
- Yellow (9%)
- Black (1%)





- Cyan (89%)
- Magenta (1%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 53.180, 183.594 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 90, 53.180, 183.594 by changing the saturation by 10% instead.


 90, 53.180,
183.594


 90, 53.180,
183.594


 100, 53.180,
183.594


 80, 53.180,
183.594

 70, 53.180,
183.594

 60, 53.180,
183.594

 50, 53.180,
183.594

 40, 53.180,
183.594

 30, 53.180,
183.594

 20, 53.180,

183.594

■ 10, 53.180,
183.594

■ 0, 53.180, 183.594

■ 90, 53.180,
183.594

■ 90, 53.180,
183.594

■ 90, 54.561,
182.427

■ 90, 50.889,
184.664

■ 90, 54.736,
182.249

■ 91, 47.538,
185.649

■ 91, 43.095,
186.567

■ 92, 37.601,
187.436

93, 31.153,
188.271

95, 23.884,
189.086

96, 15.943,
189.891

98, 7.482, 190.718

99, 0.720, 3.154

Harmonies

Complementary

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



90, 53.180, 183.594



54, 91.345, 31.829

Rectangle

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



90, 53.180, 183.594



90, 53.180, 233.594



90, 53.180, 3.594



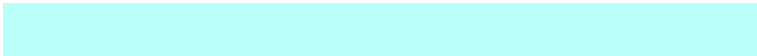
90, 53.180, 53.594

Sweetspot

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



90, 53.180, 183.593



95, 22.882, 189.205



88, 114.618, 135.649



50, 15.252, 188.929



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 53.180, 183.593



90, 55.060, 182.244



65, 53.819, 267.585



52, 5.032, 190.629



70, 44.263, 182.463



23, 20.099, 184.001

Inverse Universe

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



54, 91.345, 31.829



53, 100.294, 36.791



65, 81.708, 54.949



50, 5.288, 12.020



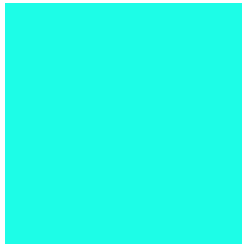
40, 80.059, 36.041



10, 32.613, 23.187

Previews

White Background



This preview shows how the CIE LCh color 90, 53.180, 183.594 looks on a white background.

Color Contrast Check

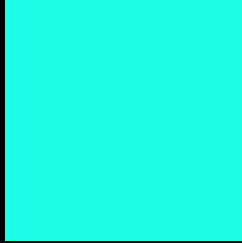
Large Text (above 18pt) WCAG AA × Fail

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 90, 53.180, 183.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

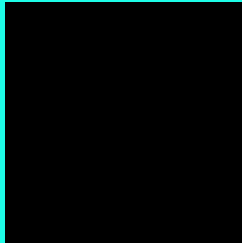
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

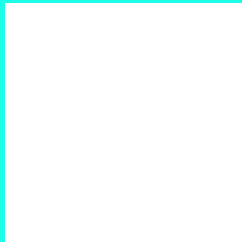
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 53.180, 183.594

Background



This preview shows how black text looks on a background with the CIELCh color 90, 53.180, 183.594.



This preview shows how white text looks on a background with the CIELCh color 90, 53.180, 183.594.

Color Blindness Simulation

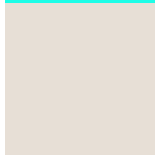
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



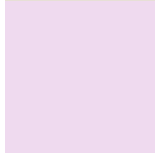
Original Color

90, 53.180, 183.594



Protanopia

89, 5.491, 77.550



Deuteranopia

89, 13.275, 324.904

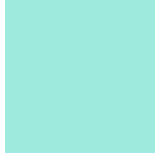


Tritanopia
90, 30.072, 211.770

Trichromacy



Original Color
90, 53.180, 183.594



Protanomaly
88, 26.389, 181.461



Deuteranomaly
87, 21.996, 204.872

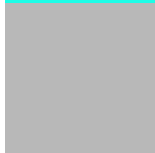


Tritanomaly
89, 39.824, 197.674

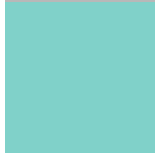
Monochromacy



Original Color
90, 53.180, 183.594



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 26.883, 188.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 53.180, 183.594 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(29, 253, 231)` looks like.

```
.text, #text, p{  
    color:rgb(29, 253, 231)  
}
```

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(29, 253, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 253, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 53.180, 183.594 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(29, 253, 231) }
```

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

```
.border{ border-color:rgb(29, 253, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 253, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 253, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 253, 231);  
box-shadow:4px 4px 4px 4px rgb(29, 253,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 53.180, 183.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 253, 231) }
```

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

```
.background{ background-color: rgb(29, 253,  
231) }
```

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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