

Converting Colors

CIELCh(91, 49.059, 171.943)

Have a look what the booklet for
CIELCh(91, 49.059, 171.943)
contains.

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Color

CIELCh(91, 49.002, 171.903)

Conversions

Conversions Part 1

Format	Color
Hex	6AFDD6
RGB	106, 253, 214
RGB Percent	42%, 99%, 84%
CMY	0.5825, 0.0062, 0.1592
CMYK	0.58, 0.00, 0.15, 0.01
HSL	164°, 98%, 71%
HSV	164°, 58%, 99%
XYZ	53.4455, 78.4833, 76.2182
YIQ	204.6010, -75.0930, -43.2930

Conversions

Conversions Part 2

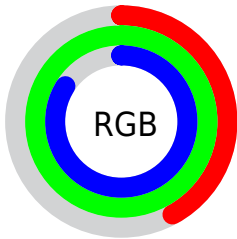
Format	Color
RYB	106, 191, 253
Decimal	7011798
CIELab	91.00, -48.51, 6.90
CIELCh	91, 49.002, 171.903
Yxy	78.4833, 0.2568, 0.3771
Android (android.graphics.Color)	4285201878 (0xFF6AFDD6)
YUV	204.6010, 4.6337, -86.4731
Hunter-Lab	88.5908, -47.3476, 11.0040

Details

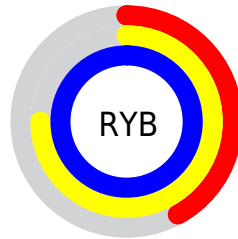
The CIELCh color **91, 49.002, 171.903** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **65, 59.815, 7.284**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.292, 197.735**, and **71, 49.323, 171.490** is the 20% darker color. If you saturate the color by 10%, you get **90, 55.033, 170.376**, and if you desaturate by 10%, it is **92, 42.030, 173.273**.

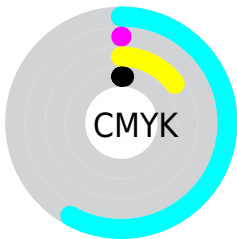
Distribution



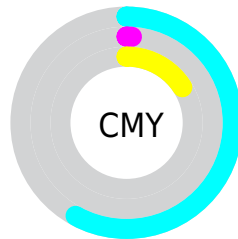
- Red (42%)
- Green (99%)
- Blue (84%)



- Red (42%)
- Yellow (75%)
- Blue (99%)



- Cyan (58%)
- Magenta (0%)
- Yellow (15%)
- Black (1%)




- Cyan (58%)
- Magenta (1%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 49.002, 171.903 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, 49.002, 171.903 by changing the saturation by 10% instead.


 91, 49.002,
171.903


 91, 49.002,
171.903


 100, 49.002,
171.903


 81, 49.002,
171.903


 71, 49.002,
171.903

 61, 49.002,
171.903

 51, 49.002,
171.903

 41, 49.002,
171.903

 31, 49.002,
171.903

 21, 49.002,

171.903

■ 11, 49.002,
171.903

■ 1, 49.002, 171.903

■ 91, 49.002,
171.903

■ 91, 49.002,
171.903

■ 90, 55.033,
170.376

■ 92, 42.030,
173.273

■ 90, 60.047,
168.672

■ 93, 34.242,
174.516

■ 89, 64.050,
166.773

■ 95, 25.794,
175.655

■ 89, 67.165,
164.688

■ 96, 16.849,
176.714

■ 89, 67.743,
164.267

■ 98, 7.563, 177.732

100, 0.896,
328.208

100, 0.988,
324.163

Harmonies

Complementary

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



91, 49.002, 171.903



65, 59.815, 7.284

Rectangle

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



91, 49.002, 171.903



91, 49.002, 221.903



91, 49.002, 351.903



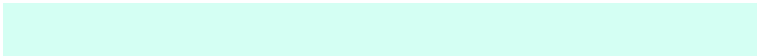
91, 49.002, 41.903

Sweetspot

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



91, 49.003, 171.902



97, 16.025, 176.815



91, 82.287, 133.656



51, 10.690, 176.608



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, 49.003, 171.902



91, 56.401, 170.045



82, 34.736, 229.509



52, 5.404, 177.575



69, 54.504, 164.656



23, 24.067, 167.525

Inverse Universe

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



65, 59.815, 7.284



60, 71.144, 10.969



70, 54.165, 43.106



50, 5.574, 359.248



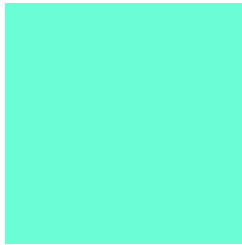
40, 71.975, 24.305



10, 31.619, 15.037

Previews

White Background



This preview shows how the CIELCh color 91, 49.002, 171.903 looks on a white background.

Color Contrast Check

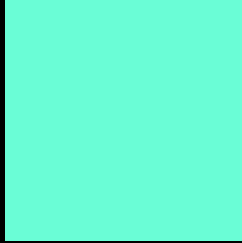
Large Text (above 18pt) WCAG AA × Fail

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, 49.002, 171.903 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, 49.002, 171.903

Background



This preview shows how black text looks on a background with the CIELCh color 91, 49.002, 171.903.

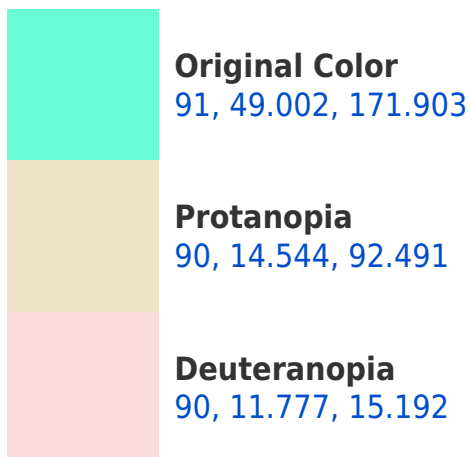



This preview shows how white text looks on a background with the CIELCh color 91, 49.002, 171.903.

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





Tritanopia
91, 24.472, 215.401

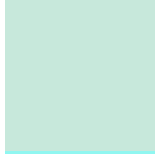
Trichromacy



Original Color
91, 49.002, 171.903



Protanomaly
90, 23.736, 153.556



Deuteranomaly
89, 13.532, 168.518

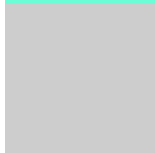


Tritanomaly
91, 31.822, 191.721

Monochromacy



Original Color
91, 49.002, 171.903



Achromatopsia
82, 0.010, 296.813



Achromatomaly
85, 20.422, 175.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 49.002, 171.903 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(106, 253, 214)` looks like.

```
.text, #text, p{  
    color:rgb(106, 253, 214)  
}
```

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(106, 253, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 253, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 49.002, 171.903 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(106, 253, 214) }
```

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

```
.border{ border-color:rgb(106, 253, 214) }
```

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

Here you see how a box with a 4 pixel rgb(106, 253, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 253, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 253, 214);  
box-shadow:4px 4px 4px 4px rgb(106, 253,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 49.002, 171.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 253, 214) }
```

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

```
.background{ background-color: rgb(106,  
253, 214) }
```

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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