

Converting Colors

CIELCh(90, 49.257, 169.488)

Have a look what the booklet for
CIELCh(90, 49.257, 169.488)
contains.

CIELCh(90, 48.992, 169.823)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 48.992, 169.823)

Conversions

Conversions Part 1

Format	Color
Hex	6CFAD0
RGB	108, 250, 208
RGB Percent	42%, 98%, 82%
CMY	0.5754, 0.0186, 0.1833
CMYK	0.57, 0.00, 0.17, 0.02
HSL	162°, 94%, 70%
HSV	162°, 57%, 98%
XYZ	51.8996, 76.3034, 71.8262
YIQ	202.7540, -71.1500, -43.1660

Conversions

Conversions Part 2

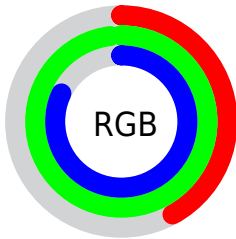
Format	Color
RYB	108, 191, 250
Decimal	7142096
CIELab	90.00, -48.22, 8.66
CIELCh	90, 48.992, 169.823
Yxy	76.3034, 0.2595, 0.3815
Android (android.graphics.Color)	4285332176 (0xFF6CFAD0)
YUV	202.7540, 2.5863, -83.0993
Hunter-Lab	87.3518, -46.8109, 12.3942

Details

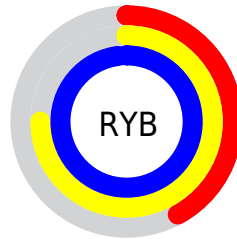
The CIELCh color **90, 48.992, 169.823** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **64, 58.193, 4.635**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.023, 197.751**, and **70, 49.072, 169.879** is the 20% darker color. If you saturate the color by 10%, you get **89, 55.394, 168.268**, and if you desaturate by 10%, it is **91, 41.691, 171.215**.

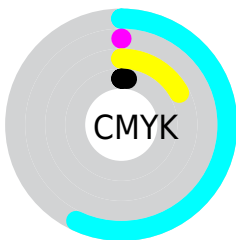
Distribution



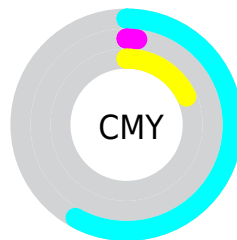
- Red (42%)
- Green (98%)
- Blue (82%)



- Red (42%)
- Yellow (75%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)





- Cyan (58%)
- Magenta (2%)
- Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 48.992, 169.823 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, 48.992, 169.823 by changing the saturation by 10% instead.


 90, 48.992,
169.823


 90, 48.992,
169.823


 100, 48.992,
169.823


 80, 48.992,
169.823

 70, 48.992,
169.823

 60, 48.992,
169.823

 50, 48.992,
169.823

 40, 48.992,
169.823

 30, 48.992,
169.823

 20, 48.992,

169.823

■ 10, 48.992,
169.823

■ 0, 48.992, 169.823

■ 90, 48.992,
169.823

■ 90, 48.992,
169.823

■ 89, 55.394,
168.268

■ 91, 41.691,
171.215

■ 89, 60.808,
166.528

■ 92, 33.623,
172.474

■ 88, 65.224,
164.586

■ 94, 24.949,
173.622

■ 88, 68.732,
162.447

■ 95, 15.831,
174.684

■ 88, 69.771,
161.738

■ 97, 6.423, 175.711

■ 99, 2.086, 342.994

■ 99, 2.951, 324.440

Harmonies

Complementary

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



90, 48.992, 169.823



64, 58.193, 4.635

Rectangle

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



90, 48.992, 169.823



90, 48.992, 219.823



90, 48.992, 349.823



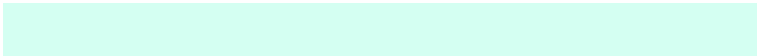
90, 48.992, 39.823

Sweetspot

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



90, 48.993, 169.822



97, 16.326, 174.655



90, 79.117, 132.820



51, 10.894, 174.447



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, 48.993, 169.822



91, 56.979, 168.047



83, 34.029, 224.001



51, 5.408, 175.423



68, 56.070, 162.147



22, 24.192, 165.278

Inverse Universe

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



64, 58.193, 4.635



61, 69.407, 7.863



69, 53.173, 40.304



49, 5.561, 357.096



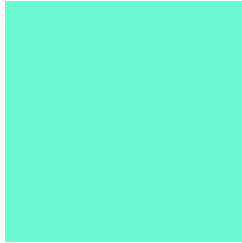
40, 70.098, 21.573



9, 30.585, 12.302

Previews

White Background



This preview shows how the CIE LCh color 90, 48.992, 169.823 looks on a white background.

Color Contrast Check

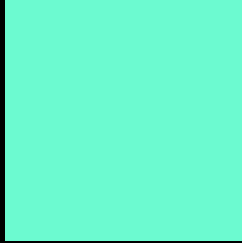
Large Text (above 18pt) WCAG AA × Fail

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, 48.992, 169.823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

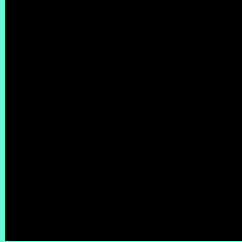
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 48.992, 169.823

Background



This preview shows how black text looks on a background with the CIELCh color 90, 48.992, 169.823.

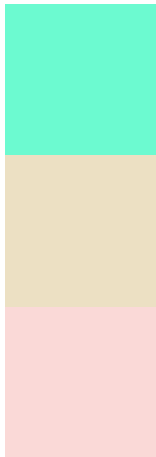


This preview shows how white text looks on a background with the CIELCh color 90, 48.992, 169.823.

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, 48.992, 169.823

Protanopia
89, 15.686, 92.076

Deuteranopia
89, 12.269, 25.059



Tritanopia
90, 26.886, 216.047

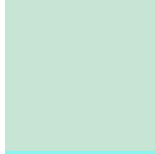
Trichromacy



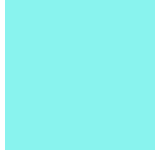
Original Color
90, 48.992, 169.823



Protanomaly
89, 23.853, 150.169



Deuteranomaly
88, 13.916, 161.678

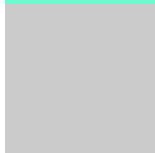


Tritanomaly
90, 32.664, 192.706

Monochromacy



Original Color
90, 48.992, 169.823



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 19.576, 174.151

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 48.992, 169.823 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(108, 250, 208)` looks like.

```
.text, #text, p{  
    color:rgb(108, 250, 208)  
}
```

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(108, 250, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 250, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 48.992, 169.823 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(108, 250, 208) }
```

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

```
.border{ border-color:rgb(108, 250, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 250, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 250, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 250, 208);  
box-shadow:4px 4px 4px 4px rgb(108, 250,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 48.992, 169.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 250, 208) }
```

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

```
.background{ background-color: rgb(108,  
250, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor