

Converting Colors

CIELCh(90, 48.185, 165.080)

Have a look what the booklet for
CIELCh(90, 48.185, 165.080)
contains.

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Color

CIELCh(90, 48.013, 165.115)

Conversions

Conversions Part 1

Format	Color
Hex	7AF9C9
RGB	122, 249, 201
RGB Percent	48%, 98%, 79%
CMY	0.5205, 0.0225, 0.2108
CMYK	0.51, 0.00, 0.19, 0.02
HSL	157°, 92%, 73%
HSV	157°, 51%, 98%
XYZ	52.5958, 76.3034, 67.3706
YIQ	205.5550, -60.2840, -41.8520

Conversions

Conversions Part 2

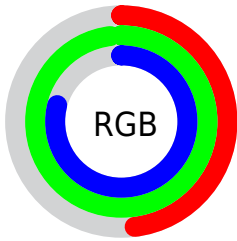
Format	Color
R_{YB}	122, 200, 249
Decimal	8059337
CIE _{Lab}	90.00, -46.40, 12.33
CIE _{LCh}	90, 48.013, 165.115
Yxy	76.3034, 0.2680, 0.3888
Android (android.graphics.Color)	4286249417 (0xFF7AF9C9)
YUV	205.5550, -2.2456, -73.2777
Hunter-Lab	87.3518, -45.3882, 15.4185

Details

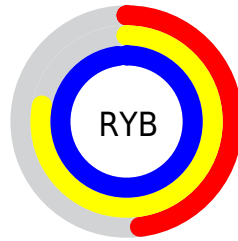
The CIELCh color **90, 48.013, 165.115** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **67, 53.495, 357.335**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.704, 197.956**, and **70, 48.185, 165.080** is the 20% darker color. If you saturate the color by 10%, you get **89, 55.753, 163.587**, and if you desaturate by 10%, it is **91, 39.497, 166.475**.

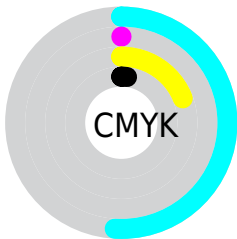
Distribution



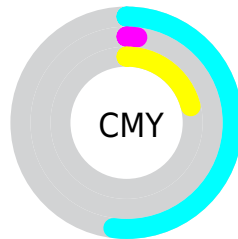
- Red (48%)
- Green (98%)
- Blue (79%)



- Red (48%)
- Yellow (78%)
- Blue (98%)



- Cyan (51%)
- Magenta (0%)
- Yellow (19%)
- Black (2%)





- Cyan (52%)
- Magenta (2%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 48.013, 165.115 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, 48.013, 165.115 by changing the saturation by 10% instead.


 90, 48.013,
165.115


 90, 48.013,
165.115


 100, 48.013,
165.115


 80, 48.013,
165.115

 70, 48.013,
165.115

 60, 48.013,
165.115


 50, 48.013,
165.115

 40, 48.013,
165.115


 30, 48.013,
165.115


 20, 48.013,


165.115


 10, 48.013,
165.115

 0, 48.013, 165.115


 90, 48.013,
165.115


 90, 48.013,
165.115


 89, 55.753,
163.587


 91, 39.497,
166.475


 88, 62.583,
161.868

 93, 30.365,
167.696

 88, 68.431,
159.938

 94, 20.790,
168.802

 87, 73.311,
157.795

 96, 10.935,
169.825

87, 77.056,
155.727

98, 0.941, 171.261

99, 3.567, 324.479

Harmonies

Complementary

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



90, 48.013, 165.115



67, 53.495, 357.335

Rectangle

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



90, 48.013, 165.115



90, 48.013, 215.115



90, 48.013, 345.115



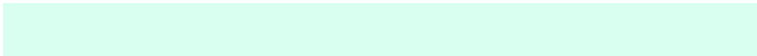
90, 48.013, 35.115

Sweetspot

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



90, 48.014, 165.114



97, 15.232, 169.416



91, 69.757, 130.615



51, 10.378, 169.200



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, 48.014, 165.114



91, 56.816, 163.566



87, 32.913, 211.186



51, 5.693, 169.971



68, 62.036, 156.152



22, 26.490, 159.484

Inverse Universe

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



67, 53.495, 357.335



64, 64.145, 359.548



69, 49.155, 33.258



49, 5.814, 351.610



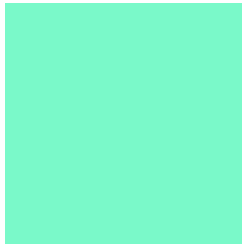
40, 67.959, 13.876



9, 30.458, 6.237

Previews

White Background



This preview shows how the CIE LCh color 90, 48.013, 165.115 looks on a white background.

Color Contrast Check

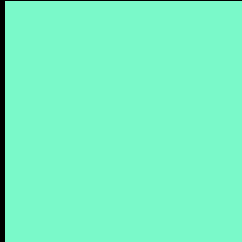
Large Text (above 18pt) WCAG AA × Fail

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, 48.013, 165.115 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

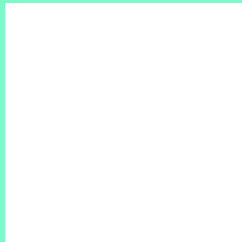
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 48.013, 165.115

Background



This preview shows how black text looks on a background with the CIELCh color 90, 48.013, 165.115.

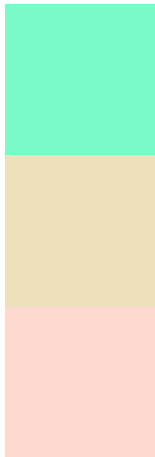


This preview shows how white text looks on a background with the CIELCh color 90, 48.013, 165.115.

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, 48.013, 165.115

Protanopia
89, 18.785, 93.312

Deuteranopia
89, 14.328, 39.168



Tritanopia
90, 25.765, 218.195

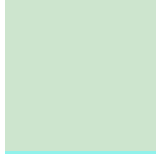
Trichromacy



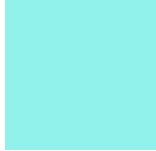
Original Color
90, 48.013, 165.115



Protanomaly
89, 25.065, 142.098

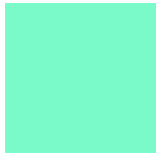


Deuteranomaly
89, 14.859, 144.960

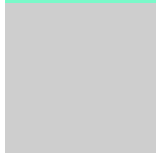


Tritanomaly
90, 30.722, 190.560

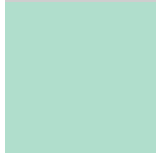
Monochromacy



Original Color
90, 48.013, 165.115



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 18.905, 168.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 48.013, 165.115 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(122, 249, 201)` looks like.

```
.text, #text, p{  
    color:rgb(122, 249, 201)  
}
```

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(122, 249, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 249, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 48.013, 165.115 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(122, 249, 201) }
```

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

```
.border{ border-color:rgb(122, 249, 201) }
```

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

Here you see how a box with a 4 pixel rgb(122, 249, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 249, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 249, 201);  
box-shadow:4px 4px 4px 4px rgb(122, 249,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 48.013, 165.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 249, 201) }
```

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

```
.background{ background-color: rgb(122,  
249, 201) }
```

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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