

Converting Colors

CIELCh(90, 67.186, 162.909)

Have a look what the booklet for
CIELCh(90, 67.186, 162.909)
contains.

CIELCh(90, 66.794, 163.047)	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, 66.794, 163.047)

Conversions

Conversions Part 1

Format	Color
Hex	2EFFBB
RGB	46, 255, 187
RGB Percent	18%, 100%, 73%
CMY	0.8195, 0.0000, 0.2671
CMYK	0.82, 0.00, 0.27, 0.00
HSL	160°, 100%, 59%
HSV	160°, 82%, 100%
XYZ	46.1555, 76.3034, 59.2499
YIQ	184.7570, -102.7360, -65.4560

Conversions

Conversions Part 2

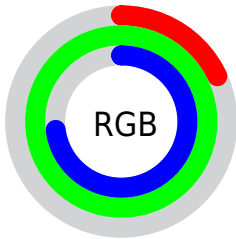
Format	Color
RYB	46, 171, 255
Decimal	3080123
CIELab	90.00, -63.89, 19.48
CIELCh	90, 66.794, 163.047
Yxy	76.3034, 0.2540, 0.4199
Android (android.graphics.Color)	4281270203 (0xFF2EFFBB)
YUV	184.7570, 1.1058, -121.6899
Hunter-Lab	87.3518, -58.5487, 20.9304

Details

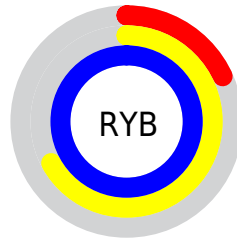
The CIELCh color **90, 66.794, 163.047** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **57, 79.240, 10.676**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.533, 187.683**, and **71, 59.731, 160.213** is the 20% darker color. If you saturate the color by 10%, you get **89, 70.637, 161.182**, and if you desaturate by 10%, it is **90, 61.051, 165.186**.

Distribution



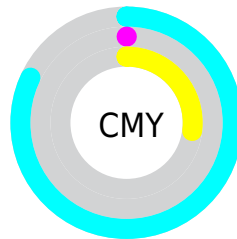
- Red (18%)
- Green (100%)
- Blue (73%)



- Red (18%)
- Yellow (67%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 66.794, 163.047 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, 66.794, 163.047 by changing the saturation by 10% instead.


 90, 66.794,
163.047


 90, 66.794,
163.047


 100, 66.794,
163.047


 80, 66.794,
163.047

 70, 66.794,
163.047

 60, 66.794,
163.047


 50, 66.794,
163.047

 40, 66.794,
163.047


 30, 66.794,
163.047


 20, 66.794,


163.047


 10, 66.794,
163.047


 0, 66.794, 163.047


 90, 66.794,
163.047


 90, 66.794,
163.047


 89, 70.637,
161.182

 90, 61.051,
165.186

 89, 73.549,
159.380

 91, 54.757,
166.880

 92, 47.506,
168.390

 93, 39.419,
169.743

■ 94, 30.651,
170.965

■ 96, 21.372,
172.080

■ 98, 11.746,
173.118

■ 100, 1.919,
174.305

■ 100, 0.012,
296.813

Harmonies

Complementary

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



90, 66.794, 163.047



57, 79.240, 10.676

Rectangle

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



90, 66.794, 163.047



90, 66.794, 213.047



90, 66.794, 343.047



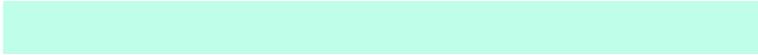
90, 66.794, 33.047

Sweetspot

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



90, 66.334, 163.288



95, 24.249, 171.750



90, 105.636, 131.529



50, 16.458, 171.359



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

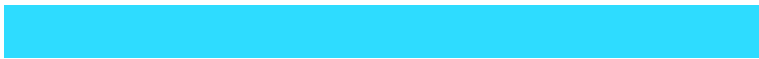
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 66.334, 163.288



89, 72.840, 159.823



81, 41.946, 223.595



52, 5.598, 173.367



69, 58.825, 159.801



23, 25.761, 162.871

Inverse Universe

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



57, 79.240, 10.676



54, 86.395, 18.867



59, 85.133, 40.963



50, 5.742, 355.039



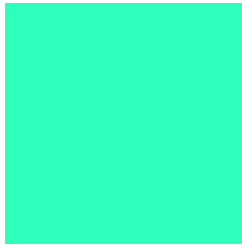
40, 69.865, 18.887



10, 31.368, 10.870

Previews

White Background



This preview shows how the CIE LCh color 90, 66.794, 163.047 looks on a white background.

Color Contrast Check

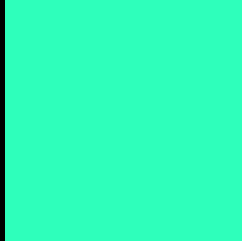
Large Text (above 18pt) WCAG AA × Fail

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, 66.794, 163.047 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, 66.794, 163.047

Background



This preview shows how black text looks on a background with the CIELCh color 90, 66.794, 163.047.

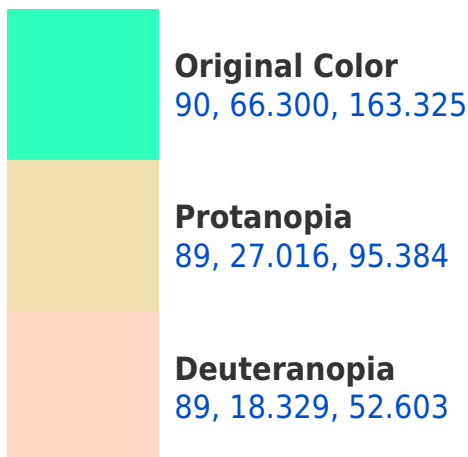


This preview shows how white text looks on a background with the CIELCh color 90, 66.794, 163.047.

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
89, 30.110, 212.804

Trichromacy



Original Color
90, 66.300, 163.325



Protanomaly
87, 38.838, 146.256



Deuteranomaly
87, 26.790, 151.609

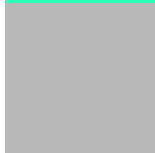


Tritanomaly
89, 41.400, 185.788

Monochromacy



Original Color
90, 66.300, 163.325



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 29.222, 171.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 66.794, 163.047 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(46, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(46, 255, 187)  
}
```

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(46, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 66.794, 163.047 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(46, 255, 187) }
```

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

```
.border{ border-color:rgb(46, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 66.794, 163.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 187) }
```

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

```
.background{ background-color: rgb(46, 255,  
187) }
```

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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