

Converting Colors

CIELCh(90, 56.774, 174.476)

Have a look what the booklet for
CIELCh(90, 56.774, 174.476)
contains.

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Color

CIELCh(90, 56.849, 174.365)

Conversions

Conversions Part 1

Format	Color
Hex	31FED6
RGB	49, 254, 214
RGB Percent	19%, 100%, 84%
CMY	0.8087, 0.0044, 0.1612
CMYK	0.81, 0.00, 0.16, 0.00
HSL	168°, 99%, 59%
HSV	168°, 81%, 100%
XYZ	48.7818, 76.3034, 75.6988
YIQ	188.1450, -109.3400, -55.9000

Conversions

Conversions Part 2

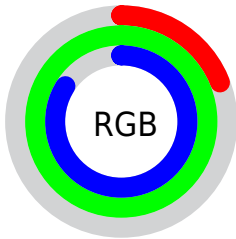
Format	Color
R_{YB}	49, 163, 254
Decimal	3276502
CIE _{Lab}	90.00, -56.57, 5.58
CIE _{LCh}	90, 56.849, 174.365
Yxy	76.3034, 0.2430, 0.3800
Android (android.graphics.Color)	4281466582 (0xFF31FED6)
YUV	188.1450, 12.7465, -122.0302
Hunter-Lab	87.3518, -53.1820, 9.7657

Details

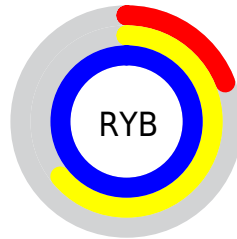
The CIELCh color **90, 56.849, 174.365** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **56, 80.865, 21.060**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.444, 197.183**, and **71, 50.327, 171.918** is the 20% darker color. If you saturate the color by 10%, you get **90, 59.834, 172.661**, and if you desaturate by 10%, it is **90, 52.849, 175.898**.

Distribution



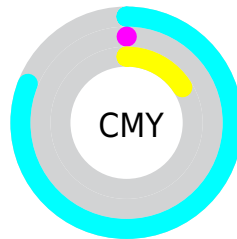
- Red (19%)
- Green (100%)
- Blue (84%)



- Red (19%)
- Yellow (64%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 56.849, 174.365 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, 56.849, 174.365 by changing the saturation by 10% instead.


 90, 56.849,
174.365


 90, 56.849,
174.365


 100, 56.849,
174.365


 80, 56.849,
174.365

 70, 56.849,
174.365

 60, 56.849,
174.365

 50, 56.849,
174.365

 40, 56.849,
174.365

 30, 56.849,
174.365

 20, 56.849,

174.365

■ 10, 56.849,
174.365

■ 0, 56.849, 174.365

■ 90, 56.849,
174.365

■ 90, 56.849,
174.365

■ 90, 59.834,
172.661

■ 90, 52.849,
175.898

■ 89, 61.872,
170.965

■ 91, 47.795,
177.279

■ 92, 41.728,
178.533

■ 93, 34.753,
179.683

94, 27.009,
180.750

96, 18.653,
181.756

98, 9.843, 182.726

99, 0.723, 184.408

100, 0.702,
324.026

Harmonies

Complementary

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



90, 56.849, 174.365



56, 80.865, 21.060

Rectangle

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



90, 56.849, 174.365



90, 56.849, 224.365



90, 56.849, 354.365



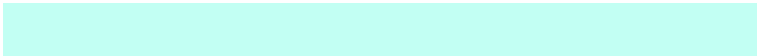
90, 56.849, 44.365

Sweetspot

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



90, 56.849, 174.364



96, 21.470, 181.438



89, 107.933, 134.340



51, 14.631, 181.080



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, 56.849, 174.364



90, 61.450, 171.514



73, 43.923, 247.972



52, 5.215, 182.852



69, 49.787, 171.307



23, 22.235, 173.782

Inverse Universe

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



56, 80.865, 21.060



54, 92.349, 29.433



64, 78.124, 48.629



50, 5.420, 4.463



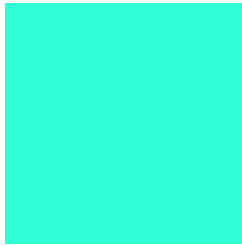
40, 75.192, 29.969



10, 32.014, 18.983

Previews

White Background



This preview shows how the CIE LCh color 90, 56.849, 174.365 looks on a white background.

Color Contrast Check

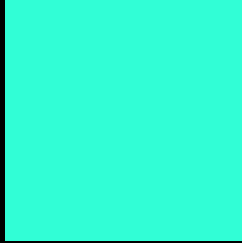
Large Text (above 18pt) WCAG AA × Fail

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, 56.849, 174.365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

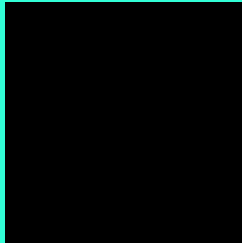
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 56.849, 174.365

Background



This preview shows how black text looks on a background with the CIELCh color 90, 56.849, 174.365.

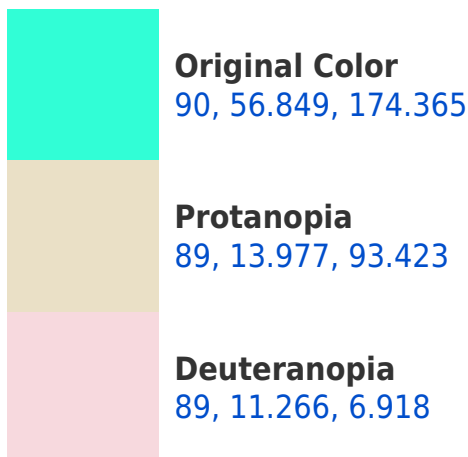


This preview shows how white text looks on a background with the CIELCh color 90, 56.849, 174.365.

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



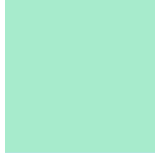


Tritanopia
90, 29.423, 213.205

Trichromacy



Original Color
90, 56.849, 174.365



Protanomaly
88, 28.814, 163.342



Deuteranomaly
87, 19.739, 181.066

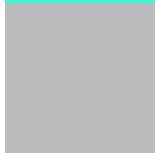


Tritanomaly
89, 39.121, 193.076

Monochromacy



Original Color
90, 56.849, 174.365



Achromatopsia
76, 0.009, 296.813



Achromatomaly
80, 26.589, 179.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 56.849, 174.365 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(49, 254, 214)` looks like.

```
.text, #text, p{  
    color:rgb(49, 254, 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(49, 254, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 254, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 56.849, 174.365 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(49, 254, 214) }
```

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

```
.border{ border-color:rgb(49, 254, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 254, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 254, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 254, 214);  
box-shadow:4px 4px 4px 4px rgb(49, 254,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 56.849, 174.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 254, 214) }
```

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

```
.background{ background-color: rgb(49, 254,  
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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