

Converting Colors

CIELCh(90, 50.715, 189.136)

Have a look what the booklet for
CIELCh(90, 50.715, 189.136)
contains.

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Color

CIELCh(90, 50.715, 189.136)

Conversions

Conversions Part 1

Format	Color
Hex	20FCF0
RGB	32, 252, 240
RGB Percent	13%, 99%, 94%
CMY	0.8730, 0.0113, 0.0584
CMYK	0.87, 0.00, 0.05, 0.01
HSL	177°, 97%, 56%
HSV	177°, 87%, 99%
XYZ	51.1978, 76.3034, 94.5542
YIQ	184.8520, -127.2680, -50.3720

Conversions

Conversions Part 2

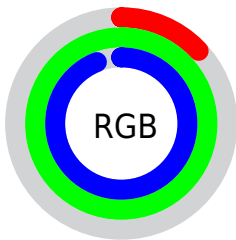
Format	Color
R _Y B	32, 145, 252
Decimal	2161904
CIE Lab	90.00, -50.07, -8.05
CIE LCh	90, 50.715, 189.136
Yxy	76.3034, 0.2306, 0.3436
Android (android.graphics.Color)	4280351984 (0xFF20FCF0)
YUV	184.8520, 27.1880, -134.0512
Hunter-Lab	87.3518, -48.2450, -3.0324

Details

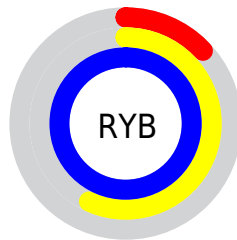
The CIELCh color **90, 50.715, 189.136** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **54, 92.416, 33.915**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.485, 197.121**, and **71, 42.604, 188.763** is the 20% darker color. If you saturate the color by 10%, you get **90, 51.854, 188.415**, and if you desaturate by 10%, it is **90, 48.625, 189.815**.

Distribution



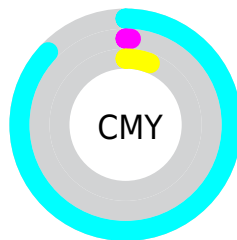
- Red (13%)
- Green (99%)
- Blue (94%)



- Red (13%)
- Yellow (57%)
- Blue (99%)



- Cyan (87%)
- Magenta (0%)
- Yellow (5%)
- Black (1%)





- Cyan (87%)
- Magenta (1%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 50.715, 189.136 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, 50.715, 189.136 by changing the saturation by 10% instead.


 90, 50.715,
189.136


 90, 50.715,
189.136


 100, 50.715,
189.136


 80, 50.715,
189.136

 70, 50.715,
189.136

 60, 50.715,
189.136

 50, 50.715,
189.136

 40, 50.715,
189.136

 30, 50.715,
189.136

 20, 50.715,

189.136

■ 10, 50.715,
189.136

■ 0, 50.715, 189.136

■ 90, 50.715,
189.136

■ 90, 50.715,
189.136

■ 90, 51.854,
188.415

■ 90, 48.625,
189.815

■ 90, 52.085,
188.206

■ 91, 45.461,
190.469

■ 91, 41.196,
191.110

■ 92, 35.869,
191.750

93, 29.574,
192.397

95, 22.441,
193.059

96, 14.614,
193.741

98, 6.244, 194.479

99, 1.035, 7.741

Harmonies

Complementary

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



90, 50.715, 189.136



54, 92.416, 33.915

Rectangle

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



90, 50.715, 189.136



90, 50.715, 239.136



90, 50.715, 9.136



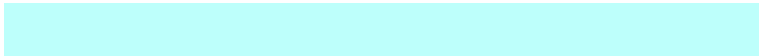
90, 50.715, 59.136

Sweetspot

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



90, 50.715, 189.135



96, 21.767, 193.135



87, 114.109, 136.003



51, 14.581, 192.903



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, 50.715, 189.135



91, 52.537, 188.202



63, 56.259, 271.404



51, 4.899, 194.295



69, 41.854, 188.342



23, 18.812, 189.314

Inverse Universe

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



54, 92.416, 33.915



53, 102.472, 38.494



67, 79.295, 57.764



49, 5.173, 15.523



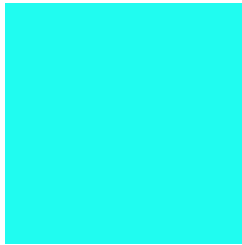
39, 81.097, 37.906



9, 31.807, 23.945

Previews

White Background



This preview shows how the CIE LCh color 90, 50.715, 189.136 looks on a white background.

Color Contrast Check

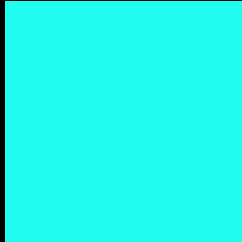
Large Text (above 18pt) WCAG AA × Fail

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, 50.715, 189.136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

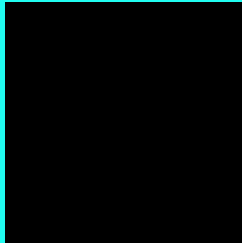
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

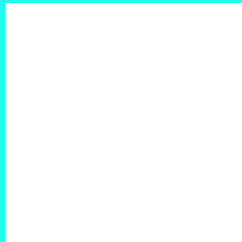
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 50.715, 189.136

Background



This preview shows how black text looks on a background with the CIELCh color 90, 50.715, 189.136.

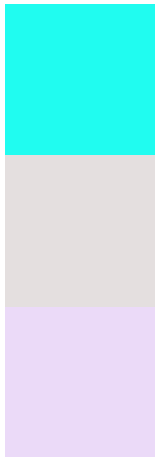


This preview shows how white text looks on a background with the CIELCh color 90, 50.715, 189.136.

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, 50.715, 189.136

Protanopia
89, 1.798, 19.200

Deuteranopia
89, 16.789, 311.877



Tritanopia
90, 30.301, 211.649

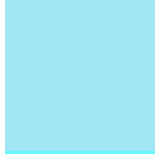
Trichromacy



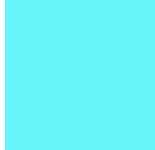
Original Color
90, 50.715, 189.136



Protanomaly
88, 25.180, 191.742



Deuteranomaly
87, 22.818, 218.354

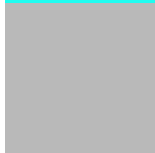


Tritanomaly
89, 39.277, 200.819

Monochromacy



Original Color
90, 50.715, 189.136



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 25.773, 192.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 50.715, 189.136 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(32, 252, 240)` looks like.

```
.text, #text, p{  
    color:rgb(32, 252, 240)  
}
```

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(32, 252, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 252, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 50.715, 189.136 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(32, 252, 240) }
```

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

```
.border{ border-color:rgb(32, 252, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 252, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 252, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 252, 240);  
box-shadow:4px 4px 4px 4px rgb(32, 252,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 50.715, 189.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 252, 240) }
```

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

```
.background{ background-color: rgb(32, 252,  
240) }
```

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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