

Converting Colors

CIELCh(90, 39.571, 196.175)

Have a look what the booklet for
CIELCh(90, 39.571, 196.175)
contains.

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Color

CIELCh(90, 39.571, 196.175)

Conversions

Conversions Part 1

Format	Color
Hex	6AF7F6
RGB	106, 247, 246
RGB Percent	42%, 97%, 96%
CMY	0.5839, 0.0310, 0.0350
CMYK	0.57, 0.00, 0.00, 0.03
HSL	180°, 90%, 69%
HSV	180°, 57%, 97%
XYZ	55.8900, 76.3034, 99.0399
YIQ	204.7270, -83.7150, -30.2030

Conversions

Conversions Part 2

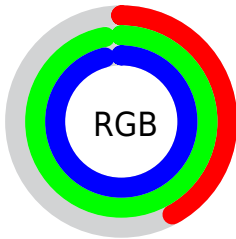
Format	Color
R_{YB}	106, 177, 247
Decimal	7010294
CIE _{Lab}	90.00, -38.00, -11.02
CIE _{LCh}	90, 39.571, 196.175
Y _{xy}	76.3034, 0.2417, 0.3300
Android (android.graphics.Color)	4285200374 (0xFF6AF7F6)
YUV	204.7270, 20.3476, -86.5836
Hunter-Lab	87.3518, -38.6565, -6.0771

Details

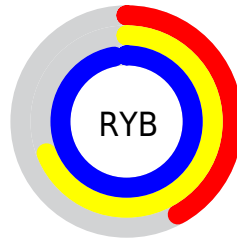
The CIELCh color **90, 39.571, 196.175** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **63, 60.399, 26.382**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.023, 197.751**, and **70, 39.503, 196.434** is the 20% darker color. If you saturate the color by 10%, you get **89, 43.512, 195.882**, and if you desaturate by 10%, it is **91, 34.568, 196.522**.

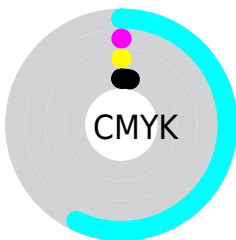
Distribution



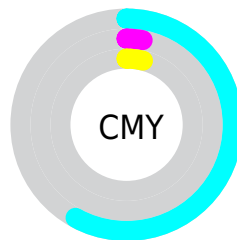
- Red (42%)
- Green (97%)
- Blue (96%)



- Red (42%)
- Yellow (69%)
- Blue (97%)



- Cyan (57%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)





- Cyan (58%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 39.571, 196.175 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, 39.571, 196.175 by changing the saturation by 10% instead.


 90, 39.571,
196.175


 90, 39.571,
196.175


 100, 39.571,
196.175


 80, 39.571,
196.175

 70, 39.571,
196.175

 60, 39.571,
196.175

 50, 39.571,
196.175

 40, 39.571,
196.175

 30, 39.571,
196.175

 20, 39.571,

196.175

■ 10, 39.571,
196.175

■ 0, 39.571, 196.175

■ 90, 39.571,
196.175

■ 90, 39.571,
196.175

■ 89, 43.512,
195.882

■ 91, 34.568,
196.522

■ 89, 46.362,
195.647

■ 92, 28.585,
196.929

■ 89, 48.160,
195.463

■ 93, 21.741,
197.392

■ 89, 49.029,
195.319

■ 94, 14.173,
197.911

89, 49.190,
195.281

- 96, 6.025, 198.516
- 98, 2.567, 18.734
- 98, 2.798, 16.987
- 98, 2.804, 15.162
- 98, 2.812, 13.345

Harmonies

Complementary

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



90, 39.571, 196.175



63, 60.399, 26.382

Rectangle

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



90, 39.571, 196.175



90, 39.571, 246.175



90, 39.571, 16.175



90, 39.571, 66.175

Sweetspot

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



90, 39.571, 196.173



97, 14.491, 197.912



87, 85.150, 139.210



51, 9.633, 197.803



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, 39.571, 196.173



92, 44.924, 195.855



71, 40.872, 265.301



50, 4.786, 198.354



69, 39.765, 195.300



22, 17.668, 195.443

Inverse Universe

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



63, 60.399, 26.382



60, 75.212, 29.600



77, 49.284, 66.549



48, 5.079, 19.365



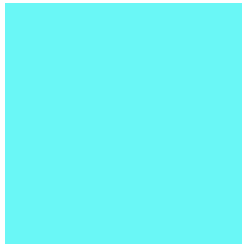
39, 82.218, 39.708



8, 30.978, 24.724

Previews

White Background



This preview shows how the CIE LCh color 90, 39.571, 196.175 looks on a white background.

Color Contrast Check

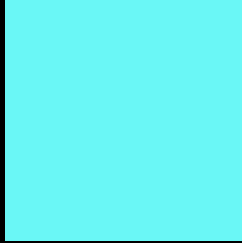
Large Text (above 18pt) WCAG AA × Fail

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, 39.571, 196.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

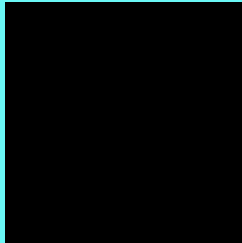
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 39.571, 196.175

Background



This preview shows how black text looks on a background with the CIELCh color 90, 39.571, 196.175.

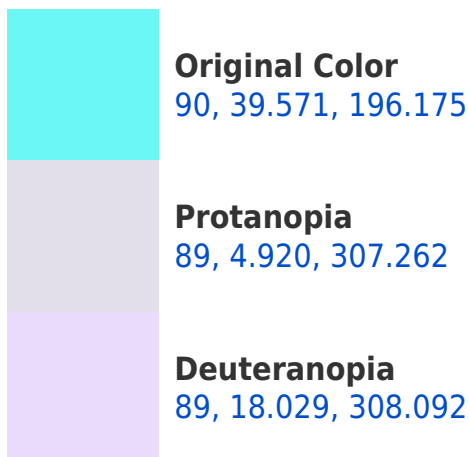


This preview shows how white text looks on a background with the CIELCh color 90, 39.571, 196.175.

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, 27.775, 214.241

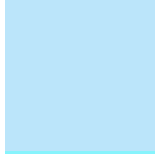
Trichromacy



Original Color
90, 39.571, 196.175



Protanomaly
89, 16.408, 207.569



Deuteranomaly
89, 17.202, 238.460

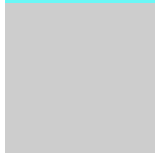


Tritanomaly
90, 32.082, 205.913

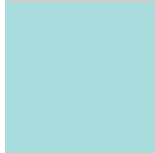
Monochromacy



Original Color
90, 39.571, 196.175



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 17.175, 198.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 39.571, 196.175 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(106, 247, 246)` looks like.

```
.text, #text, p{  
    color:rgb(106, 247, 246)  
}
```

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(106, 247, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 247, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 39.571, 196.175 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(106, 247, 246) }
```

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

```
.border{ border-color:rgb(106, 247, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 247, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 247, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 247, 246);  
box-shadow:4px 4px 4px 4px rgb(106, 247,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 39.571, 196.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 247, 246) }
```

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

```
.background{ background-color: rgb(106,  
247, 246) }
```

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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