

Converting Colors

CIELCh(90, 46.087, 189.347)

Have a look what the booklet for
CIELCh(90, 46.087, 189.347)
contains.

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Color

CIELCh(90, 46.041, 189.328)

Conversions

Conversions Part 1

Format	Color
Hex	4EFAEF
RGB	78, 250, 239
RGB Percent	31%, 98%, 94%
CMY	0.6935, 0.0192, 0.0623
CMYK	0.69, 0.00, 0.04, 0.02
HSL	176°, 95%, 64%
HSV	176°, 69%, 98%
XYZ	52.9694, 76.3034, 93.6800
YIQ	197.3180, -98.9810, -39.8850

Conversions

Conversions Part 2

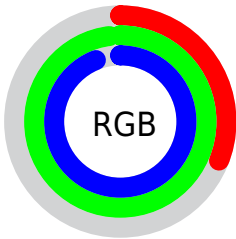
Format	Color
RYB	78, 167, 250
Decimal	5176047
CIELab	90.00, -45.43, -7.46
CIElCh	90, 46.041, 189.328
Yxy	76.3034, 0.2376, 0.3422
Android (android.graphics.Color)	4283366127 (0xFF4EFAEF)
YUV	197.3180, 20.5492, -104.6419
Hunter-Lab	87.3518, -44.6247, -2.4390

Details

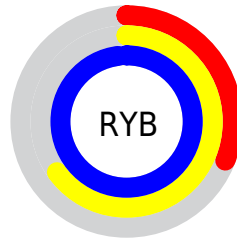
The CIELCh color **90, 46.041, 189.328** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **59, 72.842, 25.947**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 32.372, 197.427**, and **71, 42.450, 188.728** is the 20% darker color. If you saturate the color by 10%, you get **90, 49.078, 188.594**, and if you desaturate by 10%, it is **91, 41.911, 190.032**.

Distribution



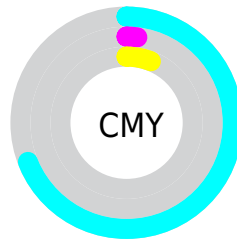
- Red (31%)
- Green (98%)
- Blue (94%)



- Red (31%)
- Yellow (65%)
- Blue (98%)



- Cyan (69%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)





- Cyan (69%)
- Magenta (2%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 46.041, 189.328 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, 46.041, 189.328 by changing the saturation by 10% instead.


 90, 46.041,
189.328


 90, 46.041,
189.328


 100, 46.041,
189.328


 80, 46.041,
189.328

 70, 46.041,
189.328

 60, 46.041,
189.328

 50, 46.041,
189.328

 40, 46.041,
189.328

 30, 46.041,
189.328

 20, 46.041,

189.328

■ 10, 46.041,
189.328

■ 0, 46.041, 189.328

■ 90, 46.041,
189.328

■ 90, 46.041,
189.328

■ 90, 49.078,
188.594

■ 91, 41.911,
190.032

■ 89, 51.062,
187.819

■ 91, 36.721,
190.725

■ 89, 52.152,
186.991

■ 92, 30.559,
191.414

■ 89, 52.262,
186.887

■ 94, 23.550,
192.109

95, 15.839,
192.816

97, 7.573, 193.561

99, 1.105, 13.603

99, 1.959, 351.290

99, 2.456, 334.413

Harmonies

Complementary

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



90, 46.041, 189.328



59, 72.842, 25.947

Rectangle

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



90, 46.041, 189.328



90, 46.041, 239.328



90, 46.041, 9.328



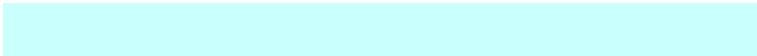
90, 46.041, 59.328

Sweetspot

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



90, 46.041, 189.327



96, 17.904, 192.654



88, 98.634, 137.187



51, 12.019, 192.458



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, 46.041, 189.327



91, 50.801, 188.264



69, 45.600, 263.326



51, 4.909, 193.502



69, 42.244, 187.039



23, 18.961, 188.160

Inverse Universe

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



59, 72.842, 25.947



55, 88.868, 31.600



72, 61.427, 60.381



49, 5.177, 14.768



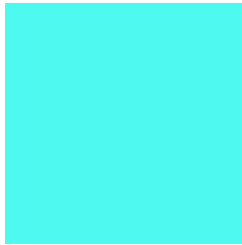
39, 80.729, 37.548



9, 31.745, 23.564

Previews

White Background



This preview shows how the CIE LCh color 90, 46.041, 189.328 looks on a white background.

Color Contrast Check

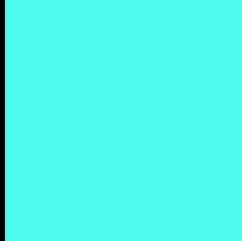
Large Text (above 18pt) WCAG AA × Fail

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, 46.041, 189.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

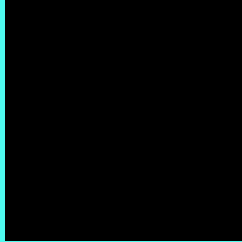
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 46.041, 189.328

Background



This preview shows how black text looks on a background with the CIELCh color 90, 46.041, 189.328.

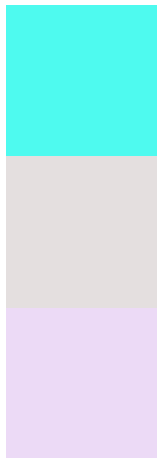


This preview shows how white text looks on a background with the CIELCh color 90, 46.041, 189.328.

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, 46.041, 189.328

Protanopia
89, 1.798, 19.200

Deuteranopia
89, 15.957, 314.364

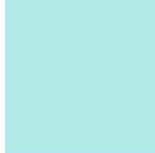


Tritanopia
90, 28.959, 213.486

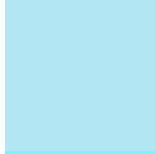
Trichromacy



Original Color
90, 46.041, 189.328



Protanomaly
88, 19.836, 192.019



Deuteranomaly
88, 17.741, 221.037

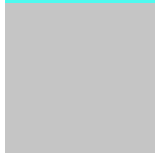


Tritanomaly
90, 35.487, 201.449

Monochromacy



Original Color
90, 46.041, 189.328



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 20.898, 192.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 46.041, 189.328 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(78, 250, 239)` looks like.

```
.text, #text, p{  
    color:rgb(78, 250, 239)  
}
```

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(78, 250, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 250, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 46.041, 189.328 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(78, 250, 239) }
```

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

```
.border{ border-color:rgb(78, 250, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 250, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 250, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 250, 239);  
box-shadow:4px 4px 4px 4px rgb(78, 250,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 46.041, 189.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 250, 239) }
```

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

```
.background{ background-color: rgb(78, 250,  
239) }
```

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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