

Converting Colors

CIELCh(90, 37.365, 191.466)

Have a look what the booklet for
CIELCh(90, 37.365, 191.466)
contains.

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Color

CIElCh(90, 37.435, 191.401)

Conversions

Conversions Part 1

Format	Color
Hex	78F6EF
RGB	120, 246, 239
RGB Percent	47%, 96%, 94%
CMY	0.5285, 0.0344, 0.0619
CMYK	0.51, 0.00, 0.03, 0.03
HSL	177°, 88%, 72%
HSV	177°, 51%, 97%
XYZ	56.4153, 76.3034, 93.5875
YIQ	207.5280, -72.8490, -28.8890

Conversions

Conversions Part 2

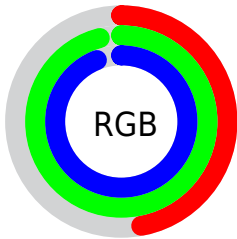
Format	Color
RYB	120, 185, 246
Decimal	7927535
CIELab	90.00, -36.70, -7.40
CIELCh	90, 37.435, 191.401
Yxy	76.3034, 0.2493, 0.3372
Android (android.graphics.Color)	4286117615 (0xFF78F6EF)
YUV	207.5280, 15.5157, -76.7621
Hunter-Lab	87.3518, -37.5831, -2.3762

Details

The CIELCh color **90, 37.435, 191.401** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **65, 52.447, 21.473**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 23.704, 197.956**, and **70, 37.356, 191.439** is the 20% darker color. If you saturate the color by 10%, you get **89, 42.265, 190.755**, and if you desaturate by 10%, it is **91, 31.616, 192.047**.

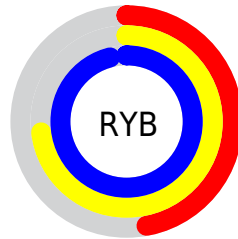
Distribution



Red (47%)

Green (96%)

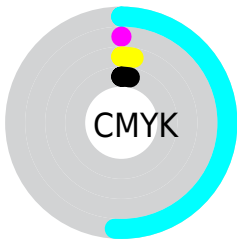
Blue (94%)



Red (47%)

Yellow (73%)

Blue (96%)

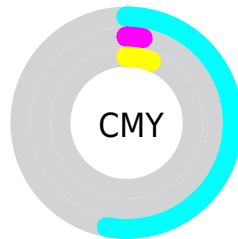


Cyan (51%)

Magenta (0%)

Yellow (3%)

Black (3%)



Cyan (53%)


Magenta (3%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 37.435, 191.401 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, 37.435, 191.401 by changing the saturation by 10% instead.


 90, 37.435,
191.401


 90, 37.435,
191.401


 100, 37.435,
191.401


 80, 37.435,
191.401


 70, 37.435,
191.401

 60, 37.435,
191.401

 50, 37.435,
191.401

 40, 37.435,
191.401

 30, 37.435,
191.401

 20, 37.435,

191.401

■ 10, 37.435,
191.401

■ 0, 37.435, 191.401

■ 90, 37.435,
191.401

■ 90, 37.435,
191.401

■ 89, 42.265,
190.755

■ 91, 31.616,
192.047

■ 89, 46.033,
190.104

■ 92, 24.923,
192.705

■ 88, 48.723,
189.435

■ 93, 17.494,
193.380

■ 88, 50.394,
188.731

■ 95, 9.476, 194.087

■ 97, 1.009, 195.338

■ 88, 51.207,
188.078

■ 98, 3.167, 8.194

■ 98, 3.376, 356.527

■ 98, 3.708, 346.590

■ 98, 4.132, 338.494

Harmonies

Complementary

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



90, 37.435, 191.401



65, 52.447, 21.473

Rectangle

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



90, 37.435, 191.401



90, 37.435, 241.401



90, 37.435, 11.401



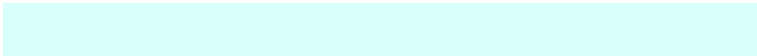
90, 37.435, 61.401

Sweetspot

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



90, 37.435, 191.399



97, 12.972, 193.808



88, 76.119, 138.848



52, 8.801, 193.659



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, 37.435, 191.399



92, 43.377, 190.758



75, 34.718, 257.371



50, 4.818, 194.214



68, 41.469, 188.213



21, 18.308, 189.249

Inverse Universe

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



65, 52.447, 21.473



63, 65.443, 24.070



77, 43.212, 62.269



48, 5.086, 15.443



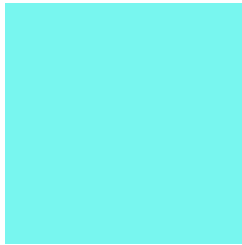
39, 80.209, 37.837



8, 30.680, 22.776

Previews

White Background



This preview shows how the CIE LCh color 90, 37.435, 191.401 looks on a white background.

Color Contrast Check

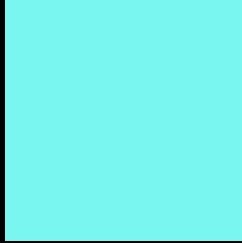
Large Text (above 18pt) WCAG AA × Fail

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, 37.435, 191.401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

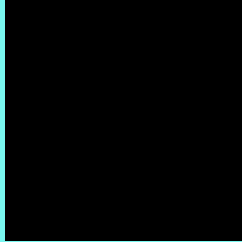
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 37.435, 191.401

Background



This preview shows how black text looks on a background with the CIELCh color 90, 37.435, 191.401.




This preview shows how white text looks on a background with the CIELCh color 90, 37.435, 191.401.

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



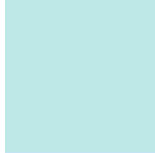


Tritanopia
90, 26.644, 216.232

Trichromacy



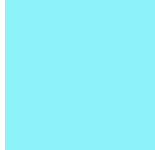
Original Color
90, 37.435, 191.401



Protanomaly
89, 14.607, 196.404



Deuteranomaly
89, 13.299, 232.204

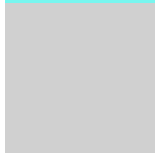


Tritanomaly
90, 30.273, 204.503

Monochromacy



Original Color
90, 37.435, 191.401



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 15.813, 192.579

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 37.435, 191.401 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(120, 246, 239)` looks like.

```
.text, #text, p{  
    color:rgb(120, 246, 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(120, 246, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 246, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 37.435, 191.401 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(120, 246, 239) }
```

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

```
.border{ border-color:rgb(120, 246, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 246, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 246, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 246, 239);  
box-shadow:4px 4px 4px 4px rgb(120, 246,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 37.435, 191.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 246, 239) }
```

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

```
.background{ background-color: rgb(120,  
246, 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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