

Converting Colors

CIELCh(90, 41.694, 196.458)

Have a look what the booklet for
CIELCh(90, 41.694, 196.458)
contains.

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Color

CIELCh(90, 41.681, 196.822)

Conversions

Conversions Part 1

Format	Color
Hex	5EF8F8
RGB	94, 248, 248
RGB Percent	37%, 97%, 97%
CMY	0.6313, 0.0274, 0.0274
CMYK	0.62, 0.00, 0.00, 0.03
HSL	180°, 92%, 67%
HSV	180°, 62%, 97%
XYZ	55.1358, 76.3034, 100.6417
YIQ	201.9540, -91.7840, -32.6480

Conversions

Conversions Part 2

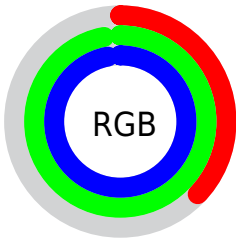
Format	Color
R_{YB}	94, 171, 248
Decimal	6224120
CIE _{Lab}	90.00, -39.90, -12.06
CIE _{LCh}	90, 41.681, 196.822
Y _{xy}	76.3034, 0.2376, 0.3288
Android (android.graphics.Color)	4284414200 (0xFF5EF8F8)
Y _{UV}	201.9540, 22.7007, -94.6757
Hunter-Lab	87.3518, -40.1977, -7.1643

Details

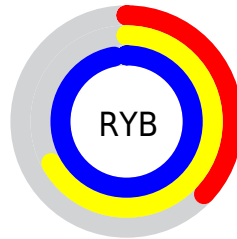
The CIELCh color **90, 41.681, 196.822** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **61, 66.796, 28.234**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 29.391, 197.607**, and **70, 40.180, 197.194** is the 20% darker color. If you saturate the color by 10%, you get **89, 45.046, 196.621**, and if you desaturate by 10%, it is **91, 37.226, 197.088**.

Distribution



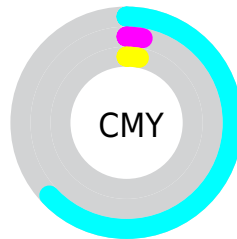
- Red (37%)
- Green (97%)
- Blue (97%)



- Red (37%)
- Yellow (67%)
- Blue (97%)



- Cyan (62%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)





- Cyan (63%)
- Magenta (3%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 41.681, 196.822 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, 41.681, 196.822 by changing the saturation by 10% instead.


 90, 41.681,
196.822


 90, 41.681,
196.822


 100, 41.681,
196.822


 80, 41.681,
196.822

 70, 41.681,
196.822

 60, 41.681,
196.822

 50, 41.681,
196.822

 40, 41.681,
196.822

 30, 41.681,
196.822

 20, 41.681,

196.822

■ 10, 41.681,
196.822

■ 0, 41.681, 196.822

■ 90, 41.681,
196.822

■ 90, 41.681,
196.822

■ 89, 45.046,
196.621

■ 91, 37.226,
197.088

■ 89, 47.329,
196.486

■ 92, 31.739,
197.423

■ 89, 48.606,
196.411

■ 93, 25.319,
197.822

■ 89, 49.073,
196.384

■ 94, 18.096,
198.282

■ 96, 10.212,
198.809

■ 97, 1.808, 199.646

■ 98, 2.463, 19.299

■ 98, 2.463, 19.295

■ 98, 2.463, 19.291

Harmonies

Complementary

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



90, 41.681, 196.822



61, 66.796, 28.234

Rectangle

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



90, 41.681, 196.822



90, 41.681, 246.822



90, 41.681, 16.822



90, 41.681, 66.822

Sweetspot

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



90, 41.681, 196.821



97, 16.080, 198.436



87, 91.592, 138.654



51, 10.963, 198.292



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, 41.681, 196.821



92, 46.823, 196.573



69, 44.354, 266.997



51, 4.864, 198.963



69, 39.964, 196.384



23, 18.081, 196.384

Inverse Universe

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



61, 66.796, 28.234



57, 83.705, 32.456



75, 54.333, 65.900



49, 5.167, 19.941



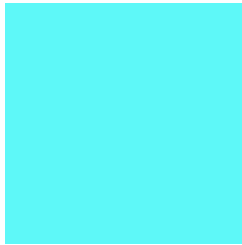
39, 83.391, 40.000



9, 32.195, 26.139

Previews

White Background



This preview shows how the CIE LCh color 90, 41.681, 196.822 looks on a white background.

Color Contrast Check

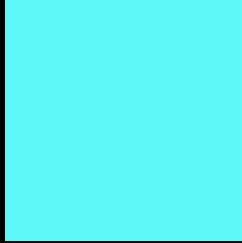
Large Text (above 18pt) WCAG AA × Fail

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, 41.681, 196.822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

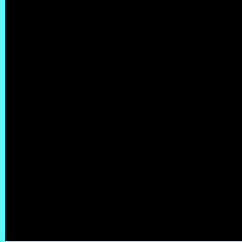
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 41.681, 196.822

Background



This preview shows how black text looks on a background with the CIELCh color 90, 41.681, 196.822.




This preview shows how white text looks on a background with the CIELCh color 90, 41.681, 196.822.

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



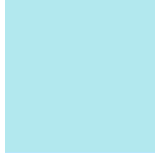


Tritanopia
90, 28.489, 213.778

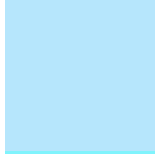
Trichromacy



Original Color
90, 41.681, 196.822



Protanomaly
89, 17.944, 208.389



Deuteranomaly
89, 18.880, 236.234

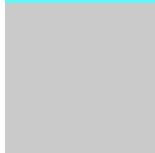


Tritanomaly
90, 33.615, 205.436

Monochromacy



Original Color
90, 41.681, 196.822



Achromatopsia
81, 0.010, 296.813



Achromatomaly
84, 18.718, 198.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 41.681, 196.822 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(94, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(94, 248, 248)  
}
```

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(94, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 248, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 41.681, 196.822 is called "border". The border property can be set on classes, ids or directly on the HTML element.

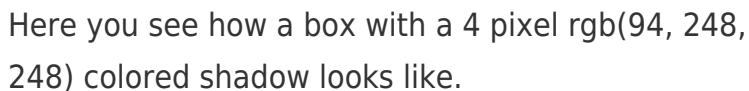
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(94, 248, 248) }
```

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

```
.border{ border-color:rgb(94, 248, 248) }
```

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



Here you see how a box with a 4 pixel rgb(94, 248, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(94, 248,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 41.681, 196.822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 248, 248) }
```

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

```
.background{ background-color: rgb(94, 248,  
248) }
```

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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