

Converting Colors

CIELCh(90, 33.557, 197.191)

Have a look what the booklet for
CIELCh(90, 33.557, 197.191)
contains.

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Color

CIElCh(90, 33.507, 197.290)

Conversions

Conversions Part 1

Format	Color
Hex	84F4F4
RGB	132, 244, 244
RGB Percent	52%, 96%, 96%
CMY	0.4814, 0.0423, 0.0423
CMYK	0.46, 0.00, 0.00, 0.04
HSL	180°, 84%, 74%
HSV	180°, 46%, 96%
XYZ	58.3310, 76.3034, 97.4162
YIQ	210.5120, -66.7520, -23.7440

Conversions

Conversions Part 2

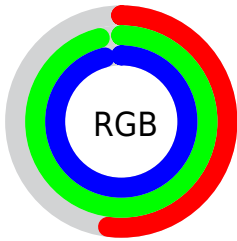
Format	Color
R_{YB}	132, 188, 244
Decimal	8713460
CIE _{Lab}	90.00, -31.99, -9.96
CIE _{LCh}	90, 33.507, 197.290
Yxy	76.3034, 0.2514, 0.3288
Android (android.graphics.Color)	4286903540 (0xFF84F4F4)
YUV	210.5120, 16.5096, -68.8550
Hunter-Lab	87.3518, -33.6684, -4.9750

Details

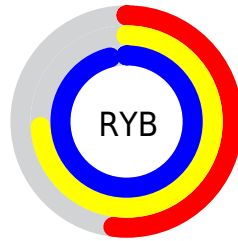
The CIELCh color **90, 33.507, 197.290** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **68, 46.801, 24.389**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.805, 198.137**, and **70, 33.406, 197.803** is the 20% darker color. If you saturate the color by 10%, you get **89, 38.556, 196.978**, and if you desaturate by 10%, it is **91, 27.497, 197.663**.

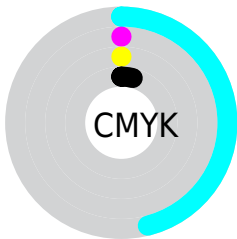
Distribution



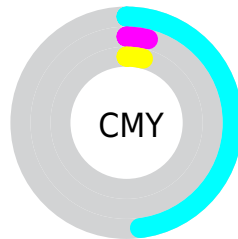
- Red (52%)
- Green (96%)
- Blue (96%)



- Red (52%)
- Yellow (74%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)





- Cyan (48%)
- Magenta (4%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 33.507, 197.290 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, 33.507, 197.290 by changing the saturation by 10% instead.


 90, 33.507,
197.290


 90, 33.507,
197.290


 100, 33.507,
197.290


 80, 33.507,
197.290

 70, 33.507,
197.290

 60, 33.507,
197.290

 50, 33.507,
197.290

 40, 33.507,
197.290

 30, 33.507,
197.290

 20, 33.507,

197.290

■ 10, 33.507,
197.290

■ 0, 33.507, 197.290

■ 90, 33.507,
197.290

■ 90, 33.507,
197.290

■ 89, 38.556,
196.978

■ 91, 27.497,
197.663

■ 89, 42.559,
196.736

■ 92, 20.644,
198.100

■ 88, 45.482,
196.561

■ 94, 13.086,
198.600

■ 88, 47.356,
196.449

■ 95, 4.963, 199.206

■ 97, 3.590, 19.461

■ 88, 48.288,
196.393

■ 97, 3.824, 19.480

■ 88, 48.504,
196.380

■ 97, 3.824, 19.473

■ 97, 3.824, 19.467

■ 97, 3.824, 19.460

Harmonies

Complementary

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



90, 33.507, 197.290



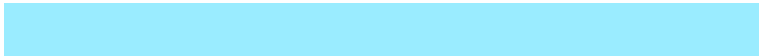
68, 46.801, 24.389

Rectangle

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



90, 33.507, 197.290



90, 33.507, 247.290



90, 33.507, 17.290



90, 33.507, 67.290

Sweetspot

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



90, 33.507, 197.288



98, 12.029, 198.699



88, 69.349, 140.420



52, 8.252, 198.582



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, 33.507, 197.288



93, 39.493, 196.998



75, 32.957, 261.991



50, 4.783, 198.962



69, 39.562, 196.381



22, 17.590, 196.381

Inverse Universe

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



68, 46.801, 24.389



66, 59.628, 26.384



80, 38.234, 67.955



48, 5.080, 19.937



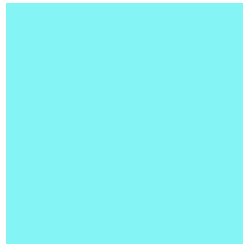
39, 82.549, 39.998



8, 31.024, 25.005

Previews

White Background



This preview shows how the CIE LCh color 90, 33.507, 197.290 looks on a white background.

Color Contrast Check

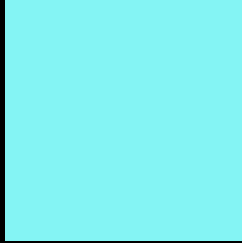
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 33.507, 197.290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

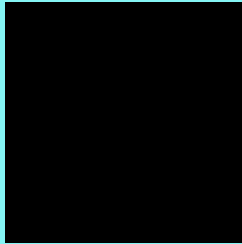
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 33.507, 197.290

Background



This preview shows how black text looks on a background with the CIELCh color 90, 33.507, 197.290.

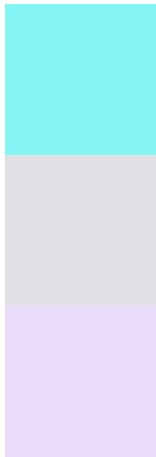


This preview shows how white text looks on a background with the CIELCh color 90, 33.507, 197.290.

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, 33.507, 197.290

Protanopia
90, 4.317, 304.744

Deuteranopia
89, 17.147, 310.181

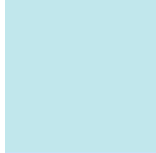


Tritanopia
90, 25.910, 216.810

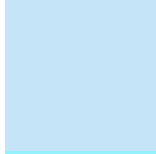
Trichromacy



Original Color
90, 33.507, 197.290



Protanomaly
89, 13.017, 210.206

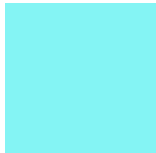


Deuteranomaly
89, 14.180, 246.459

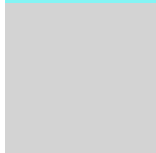


Tritanomaly
90, 28.314, 208.360

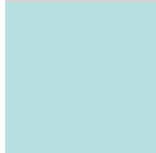
Monochromacy



Original Color
90, 33.507, 197.290



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 13.990, 198.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 33.507, 197.290 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(132, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(132, 244, 244)  
}
```

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(132, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 244, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 33.507, 197.290 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(132, 244, 244) }
```

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

```
.border{ border-color:rgb(132, 244, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 244, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 244, 244); box-shadow:4px 4px 4px 4px rgb(132, 244, 244) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 33.507, 197.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 244, 244) }
```

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

```
.background{ background-color: rgb(132,  
244, 244) }
```

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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