

Converting Colors

CIELCh(90, 27.821, 197.740)

Have a look what the booklet for
CIELCh(90, 27.821, 197.740)
contains.

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Color

CIELCh(90, 27.550, 198.742)

Conversions

Conversions Part 1

Format	Color
Hex	99F1F2
RGB	153, 241, 242
RGB Percent	60%, 95%, 95%
CMY	0.3989, 0.0538, 0.0499
CMYK	0.37, 0.00, 0.00, 0.05
HSL	181°, 78%, 78%
HSV	181°, 37%, 95%
XYZ	60.7964, 76.3034, 95.7478
YIQ	214.8020, -52.7690, -18.3450

Conversions

Conversions Part 2

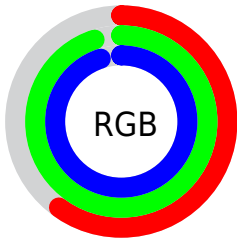
Format	Color
R_{YB}	153, 197, 242
Decimal	10088946
CIE _{Lab}	90.00, -26.09, -8.85
CIE _{LCh}	90, 27.550, 198.742
Yxy	76.3034, 0.2611, 0.3277
Android (android.graphics.Color)	4288279026 (0xFF99F1F2)
YUV	214.8020, 13.4086, -54.2004
Hunter-Lab	87.3518, -28.6306, -3.8426

Details

The CIELCh color **90, 27.550, 198.742** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **73, 35.787, 23.630**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 14.683, 198.527**, and **70, 27.743, 198.401** is the 20% darker color. If you saturate the color by 10%, you get **89, 33.367, 198.432**, and if you desaturate by 10%, it is **91, 20.892, 199.118**.

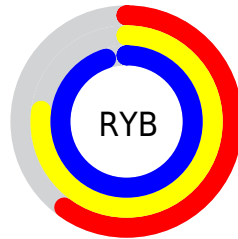
Distribution



Red (60%)

Green (95%)

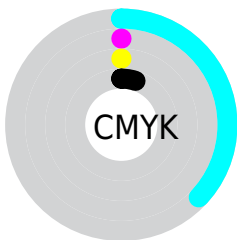
Blue (95%)



Red (60%)

Yellow (77%)

Blue (95%)

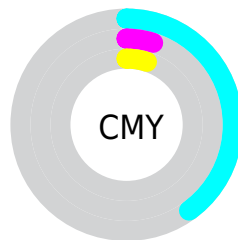


Cyan (37%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (40%)


Magenta (5%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 27.550, 198.742 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, 27.550, 198.742 by changing the saturation by 10% instead.


 90, 27.550,
198.742


 90, 27.550,
198.742


 100, 27.550,
198.742


 80, 27.550,
198.742

 70, 27.550,
198.742

 60, 27.550,
198.742

 50, 27.550,
198.742

 40, 27.550,
198.742

 30, 27.550,
198.742

 20, 27.550,

198.742

■ 10, 27.550,
198.742

■ 0, 27.550, 198.742

■ 90, 27.550,
198.742

■ 90, 27.550,
198.742

■ 89, 33.367,
198.432

■ 91, 20.892,
199.118

■ 88, 38.225,
198.204

■ 93, 13.528,
199.566

■ 87, 42.043,
198.057

■ 94, 5.594, 200.115

■ 87, 44.790,
197.996

■ 96, 2.775, 20.294

■ 97, 4.402, 21.939

■ 87, 46.499,
198.020

■ 97, 4.312, 23.817

■ 86, 47.288,
198.122

■ 97, 4.227, 25.773

■ 86, 47.435,
198.165

■ 97, 4.147, 27.807

■ 97, 4.073, 29.917

Harmonies

Complementary

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



90, 27.550, 198.742



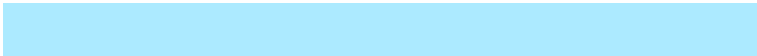
73, 35.787, 23.630

Rectangle

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



90, 27.550, 198.742



90, 27.550, 248.742



90, 27.550, 18.742



90, 27.550, 68.742

Sweetspot

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



90, 27.550, 198.739



98, 9.422, 199.858



88, 56.054, 141.698



52, 6.307, 199.785



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, 27.550, 198.739



93, 33.196, 198.505



78, 26.955, 261.625



50, 4.728, 199.945



68, 38.934, 198.135



21, 17.347, 197.901

Inverse Universe

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



75, 55.564, 326.739



75, 68.680, 327.108



83, 29.934, 70.806



48, 8.692, 325.245



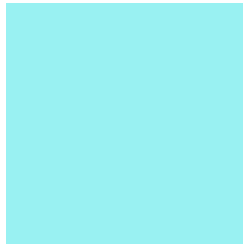
44, 90.433, 328.682



11, 40.254, 328.622

Previews

White Background



This preview shows how the CIE LCh color 90, 27.550, 198.742 looks on a white background.

Color Contrast Check

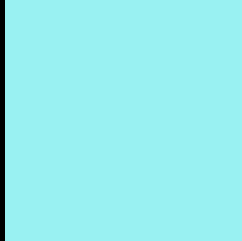
Large Text (above 18pt) WCAG AA × Fail

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, 27.550, 198.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

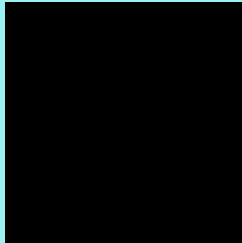
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 27.550, 198.742

Background



This preview shows how black text looks on a background with the CIELCh color 90, 27.550, 198.742.

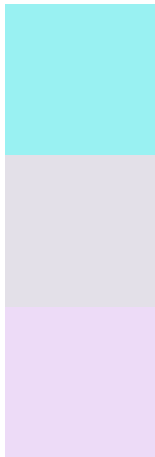


This preview shows how white text looks on a background with the CIELCh color 90, 27.550, 198.742.

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, 27.550, 198.742

Protanopia

90, 4.317, 304.744

Deuteranopia

90, 15.944, 314.362

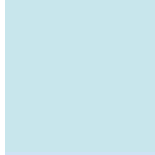


Tritanopia
90, 23.780, 220.072

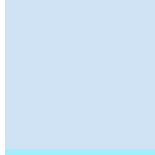
Trichromacy



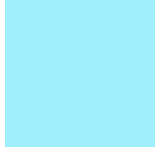
Original Color
90, 27.550, 198.742



Protanomaly
89, 10.606, 215.994



Deuteranomaly
89, 11.401, 254.650

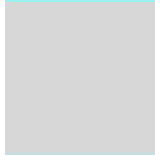


Tritanomaly
90, 24.803, 211.357

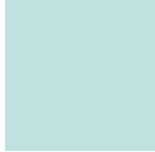
Monochromacy



Original Color
90, 27.550, 198.742



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 11.037, 198.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 27.550, 198.742 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(153, 241, 242)` looks like.

```
.text, #text, p{  
    color:rgb(153, 241, 242)  
}
```

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(153, 241, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 241, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 27.550, 198.742 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(153, 241, 242) }
```

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

```
.border{ border-color:rgb(153, 241, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 241, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 241, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 241, 242);  
box-shadow:4px 4px 4px 4px rgb(153, 241,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 27.550, 198.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 241, 242) }
```

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

```
.background{ background-color: rgb(153,  
241, 242) }
```

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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