

Converting Colors

CIELCh(72, 19.125, 150.520)

Have a look what the booklet for
CIELCh(72, 19.125, 150.520)
contains.

CIELCh(72, 19.145, 150.512)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 19.145, 150.512)

Conversions

Conversions Part 1

Format	Color
Hex	97B99F
RGB	151, 185, 159
RGB Percent	59%, 73%, 62%
CMY	0.4087, 0.2754, 0.3773
CMYK	0.18, 0.00, 0.14, 0.28
HSL	134°, 19%, 66%
HSV	134°, 18%, 72%
XYZ	36.2639, 43.6590, 39.2181
YIQ	171.8700, -11.9180, -15.2940

Conversions

Conversions Part 2

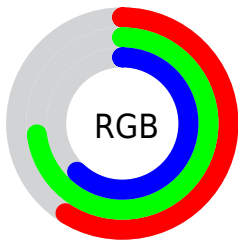
Format	Color
RYB	151, 179, 185
Decimal	9943455
CIELab	72.00, -16.66, 9.42
CIElCh	72, 19.145, 150.512
Yxy	43.6590, 0.3044, 0.3664
Android (android.graphics.Color)	4288133535 (0xFF97B99F)
YUV	171.8700, -6.3449, -18.3030
Hunter-Lab	66.0750, -17.6650, 11.0615

Details

The CIELCh color $72, 19.145, 150.512$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $66, 19.242, 332.970$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 18.827, 150.557$, and $52, 18.973, 150.605$ is the 20% darker color. If you saturate the color by 10%, you get $71, 29.556, 149.643$, and if you desaturate by 10%, it is $74, 8.701, 151.277$.

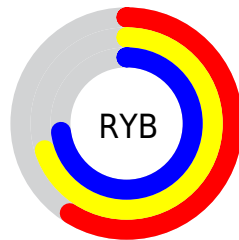
Distribution



Red (59%)

Green (73%)

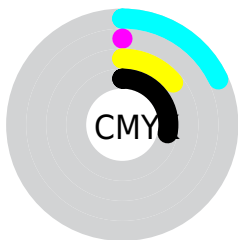
Blue (62%)



Red (59%)

Yellow (70%)

Blue (73%)

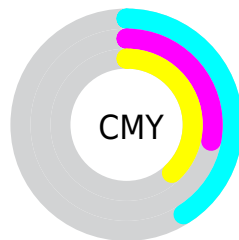


Cyan (18%)

Magenta (0%)

Yellow (14%)

Black (28%)



Cyan (41%)


Magenta (28%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 19.145, 150.512 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 72, 19.145, 150.512 by changing the saturation by 10% instead.


 72, 19.145,
150.512


 72, 19.145,
150.512


 100, 19.145,
150.512


 62, 19.145,
150.512


 92, 19.145,
150.512

 52, 19.145,
150.512

 42, 19.145,
150.512

 32, 19.145,
150.512

 22, 19.145,
150.512

 12, 19.145,
150.512

 2, 19.145, 150.512

0, 19.145, 150.512

72, 19.145,
150.512

72, 19.145,
150.512

71, 29.556,
149.643

74, 8.701, 151.277

69, 39.775,
148.641

75, 1.657, 331.710

68, 49.616,
147.488

77, 11.837,
332.433

67, 58.871,
146.169

79, 21.777,
332.942

67, 67.325,
144.682

81, 31.436,
333.386

66, 74.774,
143.047

83, 39.385,
330.976

83, 44.005,

■ 66, 81.046,
141.314

325.949

■ 66, 86.060,
139.608

■ 66, 86.772,
139.370

Harmonies

Complementary

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



72, 19.145, 150.512



66, 19.242, 332.970

Rectangle

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



72, 19.145, 150.512



72, 19.145, 200.512



72, 19.145, 330.512



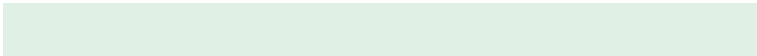
72, 19.145, 20.512

Sweetspot

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



72, 19.147, 150.511



93, 7.667, 151.448



74, 18.540, 118.101



50, 5.085, 151.400



97, 0.011, 296.813



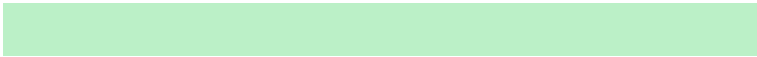
50, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72, 19.147, 150.511



90, 28.302, 150.181



72, 13.342, 176.626



38, 5.843, 151.209



56, 75.959, 139.619



8, 16.759, 149.574

Inverse Universe

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



66, 19.242, 332.970



82, 28.459, 333.242



66, 14.154, 0.136



36, 5.865, 332.355



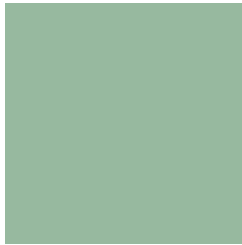
35, 66.819, 340.185



3, 14.888, 335.778

Previews

White Background



This preview shows how the CIELCh color 72, 19.145, 150.512 looks on a white background.

Color Contrast Check

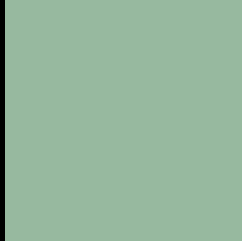
Large Text (above 18pt) WCAG AA × Fail

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 72, 19.145, 150.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

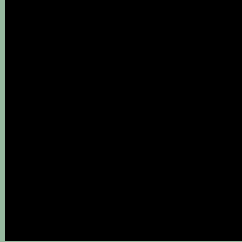
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 19.145, 150.512

Background



This preview shows how black text looks on a background with the CIELCh color 72, 19.145, 150.512.



This preview shows how white text looks on a background with the CIELCh color 72, 19.145, 150.512.

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
72, 19.145, 150.512

Protanopia
72, 12.326, 94.135

Deuteranopia
72, 11.867, 41.577



Tritanopia
72, 10.903, 243.500

Trichromacy



Original Color
72, 19.145, 150.512

Protanomaly
72, 12.762, 121.247

Deuteranomaly
72, 7.937, 92.339

Tritanomaly
72, 9.730, 195.445

Monochromacy



Original Color
72, 19.145, 150.512

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 7.367, 151.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 19.145, 150.512 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(151, 185, 159)` looks like.

```
.text, #text, p{  
    color:rgb(151, 185, 159)  
}
```

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(151, 185, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 185, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 19.145, 150.512 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(151, 185, 159) }
```

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

```
.border{ border-color:rgb(151, 185, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 185, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 185, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 185, 159);  
box-shadow:4px 4px 4px 4px rgb(151, 185,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 19.145, 150.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 185, 159) }
```

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

```
.background{ background-color: rgb(151,  
185, 159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor