

# Converting Colors

CIELCh(71, 14.043, 199.515)

Have a look what the booklet for  
CIELCh(71, 14.043, 199.515)  
contains.

<b>CIELCh(71, 13.994, 200.565)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(71, 13.994, 200.565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DB5B6
RGB	141, 181, 182
RGB Percent	55%, 71%, 71%
CMY	0.4463, 0.2894, 0.2855
CMYK	0.23, 0.01, 0.00, 0.29
HSL	181°, 22%, 63%
HSV	181°, 23%, 71%
XYZ	36.0401, 42.1875, 50.6007
YIQ	169.1540, -24.1610, -8.1690

# Conversions

## Conversions Part 2

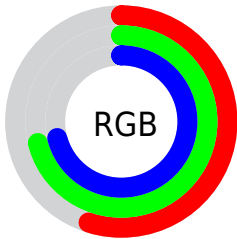
Format	Color
<b>RYB</b>	141, 161, 182
Decimal	9287094
CIELab	71.00, -13.10, -4.92
CIElCh	71, 13.994, 200.565
Yxy	42.1875, 0.2798, 0.3275
Android (android.graphics.Color)	4287477174 (0xFF8DB5B6)
YUV	169.1540, 6.3331, -24.6911
Hunter-Lab	64.9519, -14.6209, -0.7234

# Details

The CIELCh color **71, 13.994, 200.565** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **63, 16.253, 22.935**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 14.162, 200.623**, and **51, 13.815, 200.445** is the 20% darker color. If you saturate the color by 10%, you get **70, 19.477, 200.215**, and if you desaturate by 10%, it is **72, 8.017, 200.983**.

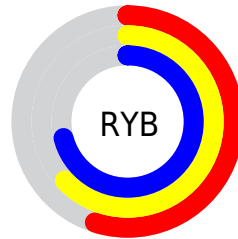
# Distribution



Red (55%)

Green (71%)

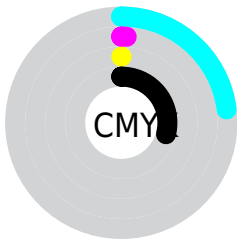
Blue (71%)



Red (55%)

Yellow (63%)

Blue (71%)

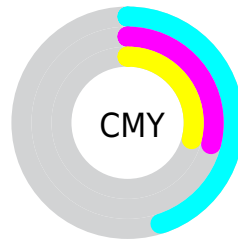


Cyan (23%)

Magenta (1%)

Yellow (0%)

Black (29%)



Cyan (45%)

Magenta (29%)


Yellow (29%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 13.994, 200.565 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 71, 13.994, 200.565 by changing the saturation by 10% instead.





 71, 13.994,  
200.565


 71, 13.994,  
200.565


 100, 13.994,  
200.565


 61, 13.994,  
200.565


 91, 13.994,  
200.565

 51, 13.994,  
200.565

 41, 13.994,  
200.565

 31, 13.994,  
200.565

 21, 13.994,  
200.565

 11, 13.994,  
200.565

 1, 13.994, 200.565

71, 13.994,  
200.565

71, 13.994,  
200.565

70, 19.477,  
200.215

72, 8.017, 200.983

74, 1.646, 201.679

69, 24.358,  
199.948

75, 5.022, 21.749

68, 28.541,  
199.766

77, 11.903, 22.326

67, 31.948,  
199.678

79, 18.927, 22.881

81, 26.035, 23.442

67, 34.530,  
199.691

81, 27.683, 23.933

66, 36.283,  
199.812

81, 27.529, 24.403

■ 66, 37.256,  
200.040

■ 82, 27.378, 24.879

■ 66, 37.633,  
200.263

# Harmonies

# Complementary

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



71, 13.994, 200.565



63, 16.253, 22.935

# Rectangle

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



71, 13.994, 200.565



71, 13.994, 250.565



71, 13.994, 20.565



71, 13.994, 70.565

# Sweetspot

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



71, 13.995, 200.560



93, 5.637, 201.265



70, 27.071, 143.426



50, 3.687, 201.230



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



71, 13.995, 200.560



89, 20.440, 200.380



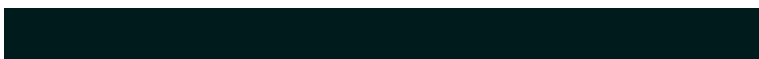
65, 13.446, 260.502



38, 3.685, 201.140



57, 33.501, 200.214



8, 10.116, 201.052



# Inverse Universe

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



64, 26.949, 326.319



78, 40.031, 326.588



68, 14.181, 74.395



36, 6.797, 325.584



37, 78.402, 329.209



3, 18.366, 325.660



# Previews

## White Background



This preview shows how the CIELCh color 71, 13.994, 200.565 looks on a white background.

## Color Contrast Check

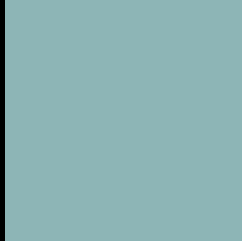
Large Text (above 18pt) WCAG AA × Fail

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 71, 13.994, 200.565 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

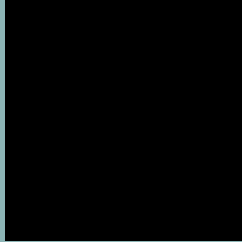
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 13.994, 200.565

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 13.994, 200.565.

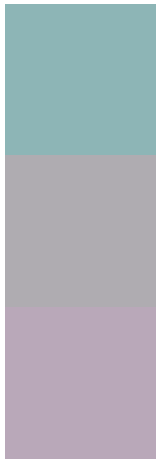


This preview shows how white text looks on a background with the CIELCh color 71, 13.994, 200.565.

# 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**  
71, 13.994, 200.565

**Protanopia**  
71, 2.972, 312.552

**Deuteranopia**  
71, 11.276, 324.918

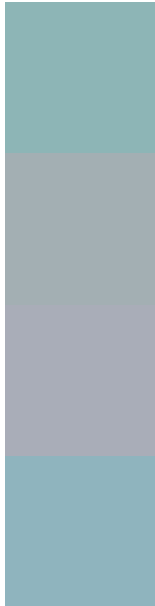




## Tritanopia

71, 14.237, 233.967

# Trichromacy



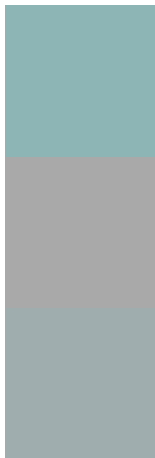
**Original Color**  
71, 13.994, 200.565

**Protanomaly**  
71, 4.857, 225.974

**Deuteranomaly**  
71, 6.161, 277.127

**Tritanomaly**  
71, 13.681, 222.162

# Monochromacy



**Original Color**  
71, 13.994, 200.565

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
70, 5.162, 205.178

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 13.994, 200.565 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(141, 181, 182)` looks like.

```
.text, #text, p{  
    color:rgb(141, 181, 182)  
}
```

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(141, 181, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 181, 182) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 13.994, 200.565 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(141, 181, 182) }
```

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

```
.border{ border-color:rgb(141, 181, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 181, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 181, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 181, 182);  
box-shadow:4px 4px 4px 4px rgb(141, 181,  
182) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 13.994, 200.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 181, 182) }
```

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

```
.background{ background-color: rgb(141,  
181, 182) }
```

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