

# Converting Colors

CIELCh(71, 8.609, 112.250)

Have a look what the booklet for  
CIELCh(71, 8.609, 112.250) contains.

<b>CIELCh(71, 8.704, 111.856)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(71, 8.704, 111.856)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEAF9F
RGB	174, 175, 159
RGB Percent	68%, 69%, 62%
CMY	0.3175, 0.3135, 0.3763
CMYK	0.01, 0.00, 0.09, 0.31
HSL	64°, 9%, 66%
HSV	64°, 9%, 69%
XYZ	39.0675, 42.1875, 38.9059
YIQ	172.8770, 4.5400, -5.1880

# Conversions

## Conversions Part 2

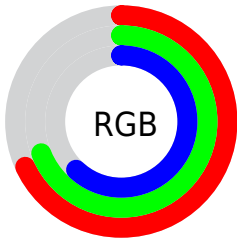
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 175, 160
Decimal	11448223
CIELab	71.00, -3.24, 8.08
CIELCh	71, 8.704, 111.856
Yxy	42.1875, 0.3251, 0.3511
Android (android.graphics.Color)	4289638303 (0xFFFAEAF9F)
YUV	172.8770, -6.8414, 0.9849
Hunter-Lab	64.9519, -6.3011, 9.9519

# Details

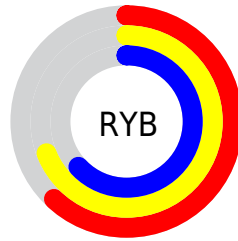
The CIELCh color **71, 8.704, 111.856** is a light color, and the websafe version is hex **999999**. A complement of this color would be **66, 8.892, 293.477**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 8.271, 112.031**, and **51, 8.700, 111.797** is the 20% darker color. If you saturate the color by 10%, you get **71, 18.181, 111.004**, and if you desaturate by 10%, it is **72, 0.827, 292.762**.

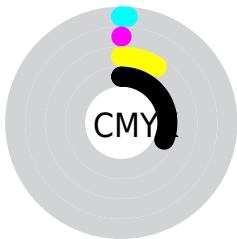
# Distribution



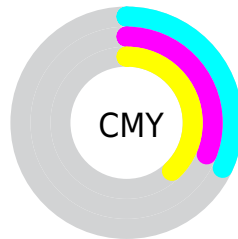
- Red (68%)
- Green (69%)
- Blue (62%)



- Red (62%)
- Yellow (69%)
- Blue (63%)



- Cyan (1%)
- Magenta (0%)
- Yellow (9%)
- Black (31%)



- Cyan (32%)
- Magenta (31%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 8.704, 111.856 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, 8.704, 111.856 by changing the saturation by 10% instead.



■ 71, 8.704, 111.856

■ 71, 8.704, 111.856

■ 100, 8.704,  
111.856

■ 61, 8.704, 111.856

■ 91, 8.704, 111.856

■ 51, 8.704, 111.856

■ 41, 8.704, 111.856

■ 31, 8.704, 111.856

■ 21, 8.704, 111.856

■ 11, 8.704, 111.856

■ 1, 8.704, 111.856

■ 0, 8.704, 111.856

■ 71, 8.704, 111.856

■ 71, 8.704, 111.856

71, 18.181,  
111.004

72, 0.827, 292.762

70, 27.535,  
110.143

72, 10.373,  
293.547

70, 36.667,  
109.302

73, 19.903,  
294.341

69, 45.425,  
108.508

73, 29.394,  
295.100

69, 53.581,  
107.794

74, 38.830,  
295.821

69, 60.804,  
107.208

75, 43.356,  
296.385

69, 66.673,  
106.803

75, 43.371,  
296.832

69, 70.767,  
106.632

75, 43.389,  
297.279

68, 73.121,

75, 43.410,  
297.728



# Harmonies

# Complementary

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



71, 8.704, 111.856



66, 8.892, 293.477

# Rectangle

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



71, 8.704, 111.856



71, 8.704, 161.856



71, 8.704, 291.856



71, 8.704, 341.856

# Sweetspot

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



71, 8.706, 111.864



90, 3.525, 112.375



67, 5.914, 24.118



48, 2.695, 112.310



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



71, 8.706, 111.864



90, 12.933, 111.689



70, 9.375, 130.423



37, 5.349, 111.851



60, 65.565, 106.653



7, 11.376, 113.749



# Inverse Universe

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



66, 8.892, 293.477



82, 13.265, 293.678



67, 9.487, 311.170



34, 5.465, 293.492



17, 89.924, 306.524



1, 11.359, 292.191



# Previews

## White Background



This preview shows how the CIELCh color 71, 8.704, 111.856 looks on a white background.

## Color Contrast Check

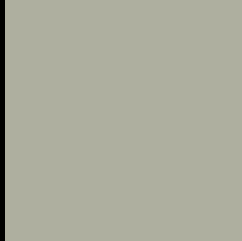
Large Text (above 18pt) WCAG AA × Fail

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 71, 8.704, 111.856 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, 8.704, 111.856**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 71, 8.704, 111.856.



This preview shows how white text looks on a background with the CIELCh color 71, 8.704, 111.856.

# 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, 8.704, 111.856

### Protanopia

71, 8.593, 90.799

### Deuteranopia

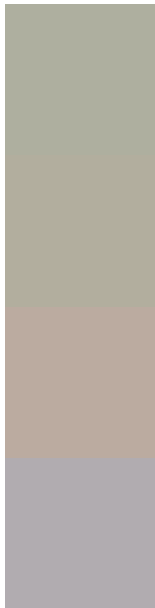
71, 11.302, 39.804





**Tritanopia**  
71, 8.111, 309.387

# Trichromacy



**Original Color**  
71, 8.704, 111.856

**Protanomaly**  
71, 8.825, 99.128

**Deuteranomaly**  
71, 8.665, 63.261

**Tritanomaly**  
71, 2.900, 330.603

# Monochromacy



**Original Color**  
71, 8.704, 111.856

**Achromatopsia**  
71, 0.009, 296.813

**Achromatomaly**  
71, 3.287, 116.464

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 8.704, 111.856 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(174, 175, 159)` looks like.

```
.text, #text, p{  
    color:rgb(174, 175, 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(174, 175, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 175, 159) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 8.704, 111.856 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(174, 175, 159) }
```

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

```
.border{ border-color:rgb(174, 175, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 175, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 175, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 175, 159);  
box-shadow:4px 4px 4px 4px rgb(174, 175,  
159) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 8.704, 111.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 175, 159) }
```

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

```
.background{ background-color: rgb(174,  
175, 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](#).

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