

# Converting Colors

CIELCh(69, 30.459, 170.161)

Have a look what the booklet for  
CIELCh(69, 30.459, 170.161)  
contains.

<b>CIELCh(69, 30.474, 170.134)</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(69, 30.474, 170.134)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69B79E
RGB	105, 183, 158
RGB Percent	41%, 72%, 62%
CMY	0.5882, 0.2823, 0.3803
CMYK	0.43, 0.00, 0.14, 0.28
HSL	161°, 35%, 56%
HSV	161°, 43%, 72%
XYZ	28.9352, 39.3444, 38.4215
YIQ	156.8280, -38.4630, -24.3110

# Conversions

## Conversions Part 2

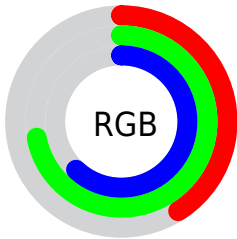
<b>Format</b>	<b>Color</b>
<b>RYB</b>	105, 151, 183
Decimal	6928286
CIELab	69.00, -30.02, 5.22
CIElCh	69, 30.474, 170.134
Yxy	39.3444, 0.2712, 0.3687
Android (android.graphics.Color)	4285118366 (0xFF69B79E)
YUV	156.8280, 0.5778, -45.4532
Hunter-Lab	62.7251, -27.4267, 7.5902

# Details

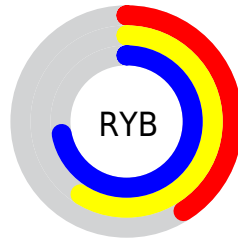
The CIELCh color **69, 30.474, 170.134** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **54, 34.248, 359.719**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 30.108, 170.633**, and **49, 30.715, 170.154** is the 20% darker color. If you saturate the color by 10%, you get **68, 36.629, 168.815**, and if you desaturate by 10%, it is **70, 23.810, 171.326**.

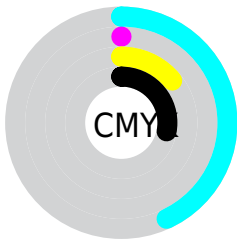
# Distribution



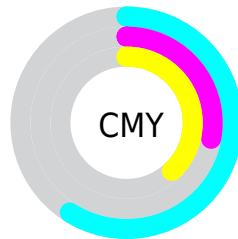
- Red (41%)
- Green (72%)
- Blue (62%)



- Red (41%)
- Yellow (59%)
- Blue (72%)



- Cyan (43%)
- Magenta (0%)
- Yellow (14%)
- Black (28%)




- Cyan (59%)
- Magenta (28%)
- Yellow (38%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 30.474, 170.134 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 69, 30.474, 170.134 by changing the saturation by 10% instead.





 69, 30.474,  
170.134


 69, 30.474,  
170.134


 100, 30.474,  
170.134


 59, 30.474,  
170.134


 89, 30.474,  
170.134

 49, 30.474,  
170.134

 99, 30.474,  
170.134

 39, 30.474,  
170.134

 29, 30.474,  
170.134

 19, 30.474,  
170.134

 9, 30.474, 170.134

 0, 30.474, 170.134

69, 30.474,  
170.134

69, 30.474,  
170.134

68, 36.629,  
168.815

70, 23.810,  
171.326

67, 42.159,  
167.348

71, 16.759,  
172.419

67, 46.976,  
165.707

73, 9.442, 173.438

66, 51.035,  
163.874

74, 1.968, 174.541

76, 5.572, 355.106

66, 54.355,  
161.840

77, 13.103,  
355.968

66, 56.481,  
160.279

79, 20.568,  
356.753

81, 27.925,  
357.495

■ 82, 30.242,  
353.226

# Harmonies

# Complementary

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



69, 30.474, 170.134



54, 34.248, 359.719

# Rectangle

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



69, 30.474, 170.134



69, 30.474, 220.134



69, 30.474, 350.134



69, 30.474, 40.134

# Sweetspot

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



69, 30.475, 170.133



91, 12.001, 173.378



69, 46.548, 132.617



49, 8.450, 173.157



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



69, 30.475, 170.133



86, 43.925, 168.922



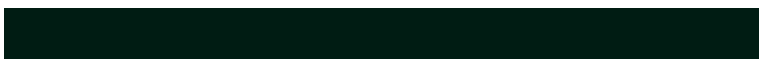
66, 21.770, 217.324



38, 4.259, 173.765



57, 49.842, 160.581



8, 12.692, 167.116



# Inverse Universe

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



54, 34.248, 359.719



64, 50.557, 1.454



56, 29.818, 36.499



36, 4.366, 355.365



32, 59.838, 18.409



2, 11.285, 0.665



# Previews

## White Background



This preview shows how the CIELCh color 69, 30.474, 170.134 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 69, 30.474, 170.134 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 69, 30.474, 170.134

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 30.474, 170.134.

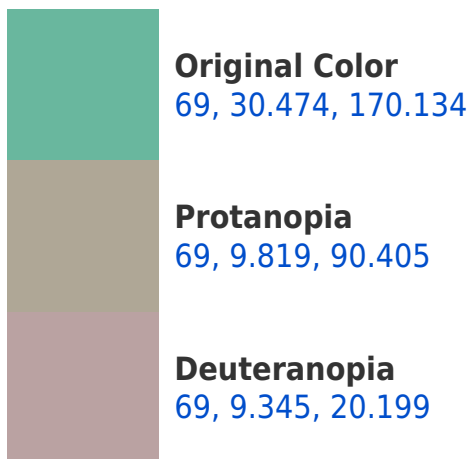


This preview shows how white text looks on a background with the CIELCh color 69, 30.474, 170.134.

# 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







**Tritanopia**  
69, 21.620, 218.927

# Trichromacy



**Original Color**  
69, 30.474, 170.134



**Protanomaly**  
69, 14.122, 147.394



**Deuteranomaly**  
68, 7.016, 154.115

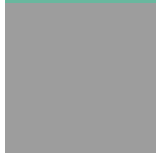


**Tritanomaly**  
69, 22.761, 197.596

# Monochromacy



**Original Color**  
69, 30.474, 170.134



**Achromatopsia**  
65, 0.008, 296.813



**Achromatomaly**  
66, 11.622, 172.964

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 30.474, 170.134 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(105, 183, 158)` looks like.

```
.text, #text, p{  
    color:rgb(105, 183, 158)  
}
```

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(105, 183, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 183, 158) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 30.474, 170.134 is called "border". The border property can be set on classes, ids or directly on the HTML element.

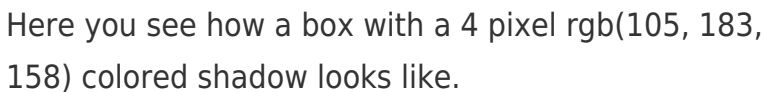
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 183, 158) }
```

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

```
.border{ border-color:rgb(105, 183, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 183, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 183, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 183, 158);  
box-shadow:4px 4px 4px 4px rgb(105, 183,  
158) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 30.474, 170.134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 183, 158) }
```

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

```
.background{ background-color: rgb(105,  
183, 158) }
```

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