

Converting Colors

CIELCh(69, 13.112, 155.342)

Have a look what the booklet for
CIELCh(69, 13.112, 155.342)
contains.

CIELCh(69, 12.960, 155.761)	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(69, 12.960, 155.761)

Conversions

Conversions Part 1

Format	Color
Hex	95AE9E
RGB	149, 174, 158
RGB Percent	58%, 68%, 62%
CMY	0.4141, 0.3160, 0.3788
CMYK	0.14, 0.00, 0.09, 0.32
HSL	142°, 13%, 63%
HSV	142°, 14%, 68%
XYZ	33.8926, 39.3444, 38.3408
YIQ	164.7010, -9.7640, -10.2760

Conversions

Conversions Part 2

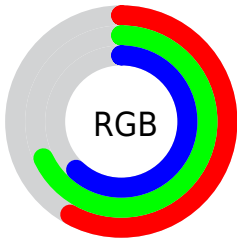
Format	Color
RYB	149, 167, 174
Decimal	9809566
CIELab	69.00, -11.82, 5.32
CIELCh	69, 12.960, 155.761
Yxy	39.3444, 0.3038, 0.3526
Android (android.graphics.Color)	4287999646 (0xFF95AE9E)
YUV	164.7010, -3.3036, -13.7698
Hunter-Lab	62.7251, -13.3192, 7.6665

Details

The CIELCh color $69, 12.960, 155.761$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $64, 13.078, 337.832$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 13.174, 156.414$, and $49, 13.132, 156.008$ is the 20% darker color. If you saturate the color by 10%, you get $68, 22.007, 154.874$, and if you desaturate by 10%, it is $71, 3.904, 156.589$.

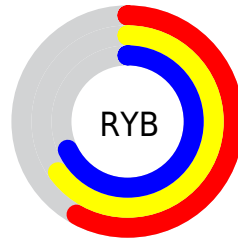
Distribution



Red (58%)

Green (68%)

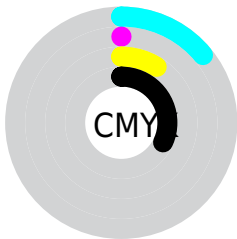
Blue (62%)



Red (58%)

Yellow (65%)

Blue (68%)

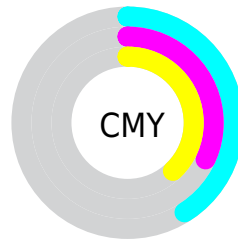


Cyan (14%)

Magenta (0%)

Yellow (9%)

Black (32%)



Cyan (41%)


Magenta (32%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 12.960, 155.761 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, 12.960, 155.761 by changing the saturation by 10% instead.


 69, 12.960,
155.761


 69, 12.960,
155.761


 100, 12.960,
155.761


 59, 12.960,
155.761


 89, 12.960,
155.761

 49, 12.960,
155.761

 99, 12.960,
155.761

 39, 12.960,
155.761

 29, 12.960,
155.761

 19, 12.960,
155.761

 9, 12.960, 155.761

 0, 12.960, 155.761

69, 12.960,
155.761

69, 12.960,
155.761

68, 22.007,
154.874

71, 3.904, 156.589

66, 30.921,
153.871

72, 5.071, 337.127

65, 39.559,
152.726

74, 13.893,
337.780

64, 47.766,
151.416

76, 22.511,
338.341

64, 55.380,
149.923

78, 30.893,
338.845

63, 62.259,
148.236

80, 39.023,
339.304


63, 68.298,
146.363


81, 43.127,
333.684

62, 73.448,

81, 47.426,
328.821

144.341

 81, 50.401,
326.165

 62, 76.068,
143.231

Harmonies

Complementary

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



69, 12.960, 155.761



64, 13.078, 337.832

Rectangle

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



69, 12.960, 155.761



69, 12.960, 205.761



69, 12.960, 335.761



69, 12.960, 25.761

Sweetspot

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



69, 12.962, 155.759



89, 4.455, 156.614



70, 14.053, 122.920



48, 3.194, 156.546



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 12.962, 155.759



87, 19.043, 155.508



69, 9.409, 185.987



36, 5.083, 156.174



54, 67.806, 143.505



6, 11.259, 154.032

Inverse Universe

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



64, 13.078, 337.832



80, 19.243, 338.065



64, 10.038, 8.415



34, 5.117, 337.440



33, 60.305, 349.074



2, 10.021, 341.295

Previews

White Background



This preview shows how the CIELCh color 69, 12.960, 155.761 looks on a white background.

Color Contrast Check

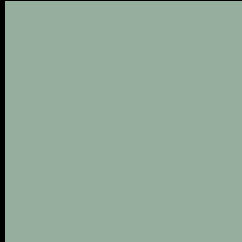
Large Text (above 18pt) WCAG AA × Fail

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, 12.960, 155.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

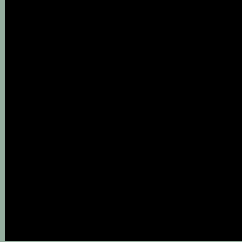
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 12.960, 155.761

Background



This preview shows how black text looks on a background with the CIELCh color 69, 12.960, 155.761.



This preview shows how white text looks on a background with the CIELCh color 69, 12.960, 155.761.

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
69, 12.960, 155.761

Protanopia
69, 7.104, 86.828

Deuteranopia
69, 9.781, 23.425



Tritanopia
69, 9.227, 249.971

Trichromacy



Original Color
69, 12.960, 155.761

Protanomaly
69, 7.912, 123.518

Deuteranomaly
69, 4.463, 78.477

Tritanomaly
69, 7.400, 211.787

Monochromacy



Original Color
69, 12.960, 155.761

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 4.397, 160.440

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 12.960, 155.761 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(149, 174, 158)` looks like.

```
.text, #text, p{  
    color:rgb(149, 174, 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(149, 174, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 174, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 12.960, 155.761 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(149, 174, 158) }
```

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

```
.border{ border-color:rgb(149, 174, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 174, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 174, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 174, 158);  
box-shadow:4px 4px 4px 4px rgb(149, 174,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 12.960, 155.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 174, 158) }
```

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

```
.background{ background-color: rgb(149,  
174, 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