

Converting Colors

CIELCh(68, 9.850, 107.770)

Have a look what the booklet for
CIELCh(68, 9.850, 107.770) contains.

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Color

CIELCh(68, 9.860, 109.155)

Conversions

Conversions Part 1

Format	Color
Hex	A7A795
RGB	167, 167, 149
RGB Percent	65%, 65%, 58%
CMY	0.3455, 0.3455, 0.4161
CMYK	0.00, 0.00, 0.11, 0.35
HSL	60°, 9%, 62%
HSV	60°, 11%, 65%
XYZ	35.1324, 37.9720, 33.8702
YIQ	164.9480, 5.7780, -5.5980

Conversions

Conversions Part 2

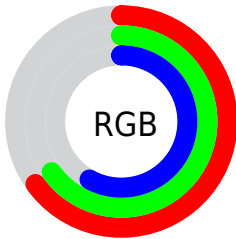
Format	Color
RYB	149, 167, 149
Decimal	10987413
CIELab	68.00, -3.24, 9.31
CIELCh	68, 9.860, 109.155
Yxy	37.9720, 0.3284, 0.3550
Android (android.graphics.Color)	4289177493 (0xFFA7A795)
YUV	164.9480, -7.8624, 1.7996
Hunter-Lab	61.6215, -6.0689, 10.5463

Details

The CIELCh color $68, 9.860, 109.155$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $62, 10.106, 291.294$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 9.872, 109.348$, and $48, 9.957, 108.822$ is the 20% darker color. If you saturate the color by 10%, you get $68, 18.949, 108.212$, and if you desaturate by 10%, it is $68, 0.711, 110.034$.

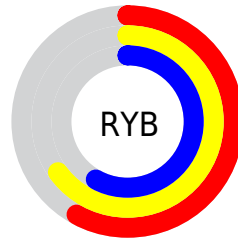
Distribution



Red (65%)

Green (65%)

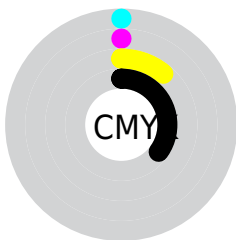
Blue (58%)



Red (58%)

Yellow (65%)

Blue (58%)

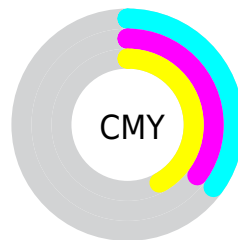


Cyan (0%)

Magenta (0%)

Yellow (11%)

Black (35%)



Cyan (35%)

Magenta (35%)

Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 9.860, 109.155 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 68, 9.860, 109.155 by changing the saturation by 10% instead.

 68, 9.860, 109.155

 68, 9.860, 109.155

 100, 9.860,
109.155

 58, 9.860, 109.155

 88, 9.860, 109.155

 48, 9.860, 109.155

 98, 9.860, 109.155

 38, 9.860, 109.155

 28, 9.860, 109.155

 18, 9.860, 109.155


 8, 9.860, 109.155

 0, 9.860, 109.155

 68, 9.860, 109.155

 68, 9.860, 109.155

 68, 18.949,

 68, 0.711, 110.034

108.212

69, 8.458, 291.044

67, 27.909,
107.263

69, 17.617,
291.937

67, 36.640,
106.338

70, 26.745,
292.798

67, 44.984,
105.459

71, 35.828,
293.621

67, 52.707,
104.655

71, 44.854,
294.403

67, 59.476,
103.963

72, 48.058,
294.673

66, 64.879,
103.422

72, 48.058,
294.674

66, 68.527,
103.062

72, 48.058,
294.675

66, 70.557,
102.865

Harmonies

Complementary

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



68, 9.860, 109.155



62, 10.106, 291.294

Rectangle

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



68, 9.860, 109.155



68, 9.860, 159.155



68, 9.860, 289.155



68, 9.860, 339.155

Sweetspot

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



68, 9.862, 109.163



86, 3.390, 109.880



63, 7.090, 20.023



46, 2.592, 109.810



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



68, 9.862, 109.163



86, 14.696, 108.930



67, 10.516, 128.608



36, 5.211, 109.304



59, 64.564, 102.865



6, 9.557, 110.188

Inverse Universe

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



62, 10.106, 291.294



77, 15.139, 291.571



63, 10.675, 309.536



32, 5.324, 291.130



16, 89.149, 306.288



0, 9.559, 290.185

Previews

White Background



This preview shows how the CIELCh color 68, 9.860, 109.155 looks on a white background.

Color Contrast Check

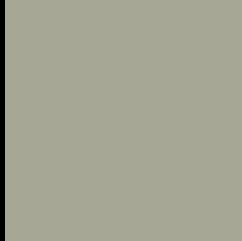
Large Text (above 18pt) WCAG AA × Fail

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 68, 9.860, 109.155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

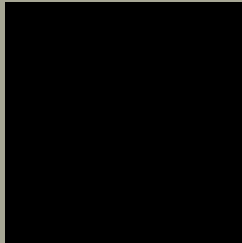
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 9.860, 109.155

Background



This preview shows how black text looks on a background with the CIELCh color 68, 9.860, 109.155.



This preview shows how white text looks on a background with the CIELCh color 68, 9.860, 109.155.

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


68, 9.860, 109.155

Protanopia

68, 9.841, 90.386

Deuteranopia

68, 12.157, 46.901



Tritanopia
68, 7.798, 313.278

Trichromacy



Original Color
68, 9.860, 109.155

Protanomaly
68, 10.053, 97.794

Deuteranomaly
68, 9.840, 66.018

Tritanomaly
68, 2.546, 353.846

Monochromacy



Original Color
68, 9.860, 109.155

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 3.838, 109.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 9.860, 109.155 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(167, 167, 149)` looks like.

```
.text, #text, p{  
    color:rgb(167, 167, 149)  
}
```

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(167, 167, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 167, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 9.860, 109.155 is called "border". The border property can be set on classes, ids or directly on the HTML element.

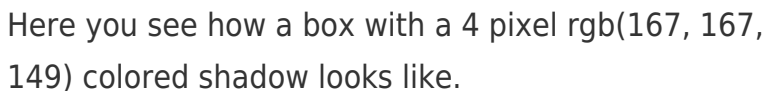
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 167, 149) }
```

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

```
.border{ border-color:rgb(167, 167, 149) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 167, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 167, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 167, 149); box-shadow:4px 4px 4px 4px rgb(167, 167, 149) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 9.860, 109.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 167, 149) }
```

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

```
.background{ background-color: rgb(167,  
167, 149) }
```

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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