

Converting Colors

CIELCh(69, 1.646, 190.392)

Have a look what the booklet for
CIELCh(69, 1.646, 190.392) contains.

CIELCh(69, 1.499, 199.601)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(69, 1.499, 199.601)

Conversions

Conversions Part 1

Format	Color
Hex	A5A9A9
RGB	165, 169, 169
RGB Percent	65%, 66%, 66%
CMY	0.3522, 0.3364, 0.3365
CMYK	0.02, 0.00, 0.00, 0.34
HSL	180°, 2%, 66%
HSV	180°, 2%, 66%
XYZ	36.9649, 39.3444, 43.2819
YIQ	167.8040, -2.3840, -0.8480

Conversions

Conversions Part 2

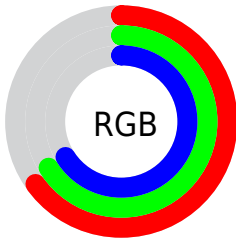
Format	Color
R_{YB}	165, 167, 169
Decimal	10856873
CIE Lab	69.00, -1.41, -0.50
CIE LCh	69, 1.499, 199.601
Yxy	39.3444, 0.3091, 0.3290
Android (android.graphics.Color)	4289046953 (0xFFA5A9A9)
YUV	167.8040, 0.5896, -2.4591
Hunter-Lab	62.7251, -4.5760, 2.9960

Details

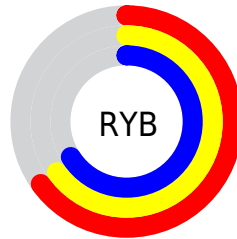
The CIELCh color $69, 1.499, 199.601$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 1.524, 19.167$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 1.423, 199.728$, and $49, 1.599, 199.458$ is the 20% darker color. If you saturate the color by 10%, you get $68, 7.656, 198.751$, and if you desaturate by 10%, it is $70, 4.935, 19.679$.

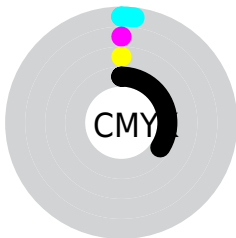
Distribution



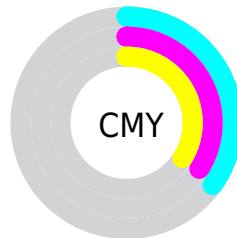
- Red (65%)
- Green (66%)
- Blue (66%)



- Red (65%)
- Yellow (65%)
- Blue (66%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (34%)



- Cyan (35%)
- Magenta (34%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 1.499, 199.601 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, 1.499, 199.601 by changing the saturation by 10% instead.

■ 69, 1.499, 199.601

■ 69, 1.499, 199.601

■ 100, 1.499,
199.601

■ 59, 1.499, 199.601

■ 89, 1.499, 199.601

■ 49, 1.499, 199.601

■ 99, 1.499, 199.601

■ 39, 1.499, 199.601

■ 29, 1.499, 199.601

■ 19, 1.499, 199.601

■ 9, 1.499, 199.601

■ 0, 1.499, 199.601

■ 69, 1.499, 199.601

■ 69, 1.499, 199.601

■ 68, 7.656, 198.751

■ 70, 4.935, 19.679

67, 13.441,
198.233

72, 11.569, 20.321

66, 18.757,
197.778

73, 18.331, 20.938

65, 23.504,
197.382

75, 25.167, 21.559

64, 27.591,
197.046

78, 34.136, 22.365

64, 30.945,
196.772

78, 34.135, 22.354

63, 33.523,
196.562

78, 34.134, 22.344

63, 35.323,
196.414

78, 34.133, 22.333

63, 36.390,
196.323

Harmonies

Complementary

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



69, 1.499, 199.601



68, 1.524, 19.167

Rectangle

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



69, 1.499, 199.601



69, 1.499, 249.601



69, 1.499, 19.601



69, 1.499, 69.601

Sweetspot

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



69, 1.500, 199.541



87, 0.784, 200.044



69, 2.663, 143.957



46, 0.445, 200.093



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



69, 1.500, 199.541



87, 2.345, 199.431



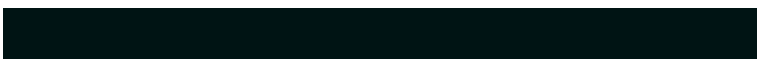
68, 1.312, 254.127



35, 1.425, 199.351



55, 33.404, 196.280



5, 6.572, 199.338

Inverse Universe

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



68, 1.524, 19.167



86, 2.391, 19.280



69, 1.308, 73.060



35, 1.458, 19.364



30, 69.001, 39.331



1, 6.572, 19.354

Previews

White Background



This preview shows how the CIELCh color 69, 1.499, 199.601 looks on a white background.

Color Contrast Check

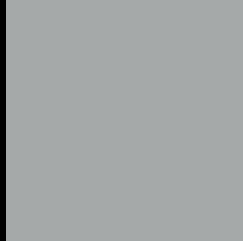
Large Text (above 18pt) WCAG AA × Fail

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, 1.499, 199.601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

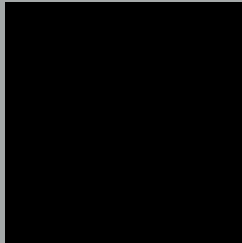
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

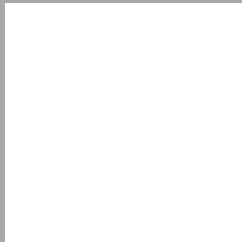
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 1.499, 199.601

Background



This preview shows how black text looks on a background with the CIELCh color 69, 1.499, 199.601.

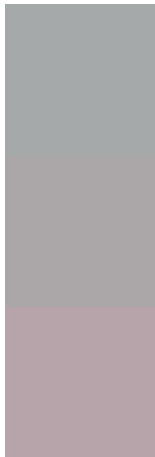


This preview shows how white text looks on a background with the CIELCh color 69, 1.499, 199.601.

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, 1.499, 199.601

Protanopia

69, 1.620, 359.457

Deuteranopia

69, 8.559, 353.561



Tritanopia
69, 7.699, 290.961

Trichromacy



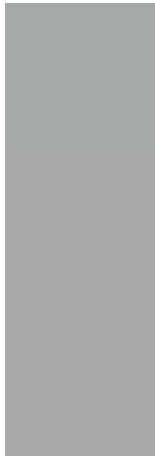
Original Color
69, 1.499, 199.601

Protanomaly
69, 0.379, 18.159

Deuteranomaly
69, 5.339, 348.918

Tritanomaly
69, 4.990, 282.205

Monochromacy



Original Color
69, 1.499, 199.601

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 0.376, 200.663

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 1.499, 199.601 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(165, 169, 169)` looks like.

```
.text, #text, p{  
    color:rgb(165, 169, 169)  
}
```

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(165, 169, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 169, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 1.499, 199.601 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(165, 169, 169) }
```

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

```
.border{ border-color:rgb(165, 169, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 169, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 169, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 169, 169);  
box-shadow:4px 4px 4px 4px rgb(165, 169,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 1.499, 199.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 169, 169) }
```

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

```
.background{ background-color: rgb(165,  
169, 169) }
```

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