

Converting Colors

CIELCh(69, 0.242, 133.266)

Have a look what the booklet for
CIELCh(69, 0.242, 133.266) contains.

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Color

CIELCh(69, 0.009, 296.813)

Conversions

Conversions Part 1

Format	Color
Hex	A8A8A8
RGB	168, 168, 168
RGB Percent	66%, 66%, 66%
CMY	0.3398, 0.3397, 0.3397
CMYK	0.00, 0.00, 0.00, 0.34
HSL	136°, 0%, 66%
HSV	136°, 0%, 66%
XYZ	37.3969, 39.3444, 42.8464
YIQ	168.0000, -0.0000, -0.0000

Conversions

Conversions Part 2

Format	Color
RYB	168, 168, 168
Decimal	11053224
CIELab	69.00, 0.00, -0.01
CIELCh	69, 0.009, 296.813
Yxy	39.3444, 0.3127, 0.3290
Android (android.graphics.Color)	4289243304 (0xFFA8A8A8)
YUV	168.0000, 0.0000, 0.0000
Hunter-Lab	62.7251, -3.3467, 3.4076

Details

The CIELCh color $69, 0.009, 296.813$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 0.010, 302.216$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 0.011, 296.813$, and $49, 0.007, 296.813$ is the 20% darker color. If you saturate the color by 10%, you get $67, 9.400, 152.311$, and if you desaturate by 10%, it is $71, 9.268, 333.516$.

Distribution



Red (66%)

Green (66%)

Blue (66%)



Red (66%)

Yellow (66%)

Blue (66%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (34%)



Cyan (34%)

Magenta (34%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 0.009, 296.813 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, 0.009, 296.813 by changing the saturation by 10% instead.

69, 0.009, 296.813

69, 0.009, 296.813

100, 0.009,
296.813

59, 0.009, 296.813

89, 0.009, 296.813

49, 0.009, 296.813

99, 0.009, 296.813

39, 0.009, 296.813

29, 0.009, 296.813

19, 0.009, 296.813

9, 0.009, 296.813

0, 0.009, 296.813

69, 0.009, 296.813

69, 0.009, 296.813

67, 9.400, 152.311

71, 9.268, 333.516

66, 18.863,
151.523

73, 18.326,
334.054

65, 28.271,
150.627

75, 27.141,
334.523

64, 37.482,
149.599

77, 35.688,
334.941

63, 46.330,
148.416

79, 43.958,
335.317

62, 54.634,
147.065

80, 49.065,
330.751

61, 62.212,
145.540

80, 54.032,
326.339

61, 68.899,
143.856

80, 54.097,
326.289

60, 74.566,
142.058

Harmonies

Complementary

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



69, 0.009, 296.813



69, 0.010, 302.216

Rectangle

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



69, 0.009, 296.813



69, 0.009, 346.813



69, 0.009, 116.813



69, 0.009, 166.813

Sweetspot

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



69, 0.007, 289.540



88, 0.010, 296.813



69, 0.007, 296.110



46, 0.006, 296.813



94, 0.011, 296.813

Same Dimension

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



69, 0.007, 289.540



88, 0.010, 296.813



69, 0.008, 289.599



36, 0.005, 296.813



53, 71.675, 140.524



5, 9.938, 151.571

Inverse Universe

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



69, 0.010, 302.216



88, 0.010, 296.813



69, 0.009, 303.201



36, 0.005, 296.813



33, 63.082, 342.150



2, 9.186, 335.849

Previews

White Background



This preview shows how the CIELCh color 69, 0.009, 296.813 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 69, 0.009, 296.813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

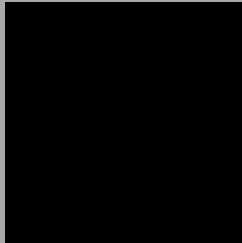
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

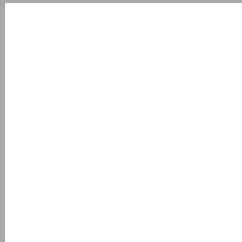
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 0.009, 296.813

Background



This preview shows how black text looks on a background with the CIELCh color 69, 0.009, 296.813.

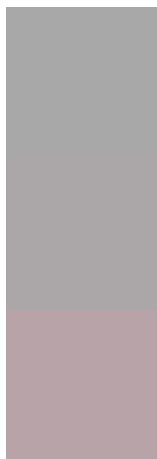


This preview shows how white text looks on a background with the CIELCh color 69, 0.009, 296.813.

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, 0.009, 296.813

Protanopia

69, 1.620, 359.457

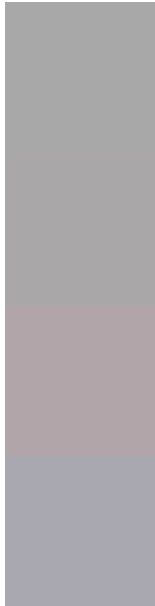
Deuteranopia

69, 8.696, 357.998



Tritanopia
69, 7.249, 299.645

Trichromacy



Original Color

69, 0.009, 296.813

Protanomaly

69, 1.271, 353.525

Deuteranomaly

69, 5.430, 356.025

Tritanomaly

69, 5.017, 299.178

Monochromacy



Original Color

69, 0.009, 296.813

Achromatopsia

69, 0.009, 296.813

Achromatomaly

69, 0.009, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 0.009, 296.813 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(168, 168, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 168, 168)  
}
```

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(168, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 168, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 0.009, 296.813 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(168, 168, 168) }
```

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

```
.border{ border-color:rgb(168, 168, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 168, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 168,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 0.009, 296.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 168, 168) }
```

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

```
.background{ background-color: rgb(168,  
168, 168) }
```

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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