

Converting Colors

CIELCh(69, 4.192, 106.457)

Have a look what the booklet for
CIELCh(69, 4.192, 106.457) contains.

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Color

CIELCh(69, 4.373, 109.720)

Conversions

Conversions Part 1

Format	Color
Hex	A9A9A1
RGB	169, 169, 161
RGB Percent	66%, 66%, 63%
CMY	0.3376, 0.3375, 0.3689
CMYK	0.00, 0.00, 0.05, 0.34
HSL	60°, 4%, 65%
HSV	60°, 5%, 66%
XYZ	36.9457, 39.3444, 39.3298
YIQ	168.0880, 2.5680, -2.4880

Conversions

Conversions Part 2

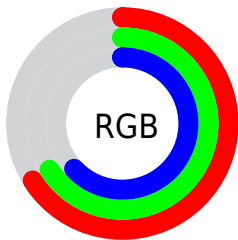
Format	Color
RYB	161, 169, 161
Decimal	11119009
CIELab	69.00, -1.48, 4.12
CIElCh	69, 4.373, 109.720
Yxy	39.3444, 0.3195, 0.3403
Android (android.graphics.Color)	4289309089 (0xFFA9A9A1)
YUV	168.0880, -3.4944, 0.7998
Hunter-Lab	62.7251, -4.6308, 6.7316

Details

The CIELCh color $69, 4.373, 109.720$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $66, 4.434, 290.667$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 4.147, 109.819$, and $49, 4.091, 109.623$ is the 20% darker color. If you saturate the color by 10%, you get $69, 13.596, 108.794$, and if you desaturate by 10%, it is $69, 4.882, 290.695$.

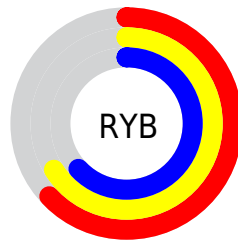
Distribution



Red (66%)

Green (66%)

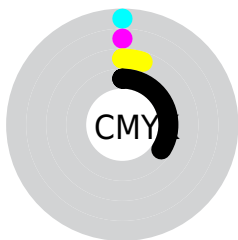
Blue (63%)



Red (63%)

Yellow (66%)

Blue (63%)

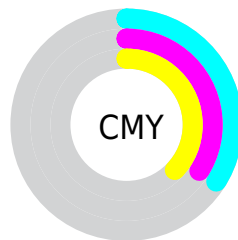


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (34%)



Cyan (34%)

Magenta (34%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 4.373, 109.720 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, 4.373, 109.720 by changing the saturation by 10% instead.

■ 69, 4.373, 109.720

■ 69, 4.373, 109.720

■ 100, 4.373,
109.720

■ 59, 4.373, 109.720

■ 89, 4.373, 109.720

■ 49, 4.373, 109.720

■ 99, 4.373, 109.720

■ 39, 4.373, 109.720

■ 29, 4.373, 109.720

■ 19, 4.373, 109.720

■ 9, 4.373, 109.720

■ 0, 4.373, 109.720

■ 69, 4.373, 109.720

■ 69, 4.373, 109.720

■ 69, 13.596,

■ 69, 4.882, 290.695

108.794

70, 14.138,
291.596

68, 22.732,
107.842

71, 23.371,
292.471

68, 31.703,
106.899

71, 32.563,
293.310

68, 40.387,
105.989

72, 41.702,
294.109

68, 48.597,
105.135

72, 46.873,
294.545

67, 56.056,
104.372

72, 46.873,
294.548

67, 62.390,
103.735

72, 46.873,
294.550

67, 67.172,
103.264

72, 46.873,
294.553

67, 70.082,
102.983

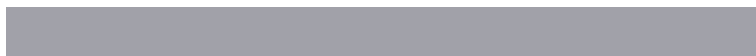
Harmonies

Complementary

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



69, 4.373, 109.720



66, 4.434, 290.667

Rectangle

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



69, 4.373, 109.720



69, 4.373, 159.720



69, 4.373, 289.720



69, 4.373, 339.720

Sweetspot

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



69, 4.375, 109.736



87, 1.134, 110.038



67, 3.072, 19.530



46, 0.644, 110.040



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, 4.375, 109.736



87, 6.853, 109.609



69, 4.655, 128.889



36, 3.648, 109.573



59, 64.564, 102.877



6, 9.557, 110.199

Inverse Universe

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



66, 4.434, 290.667



83, 6.960, 290.804



67, 4.698, 309.250



33, 3.708, 290.844



16, 89.148, 306.289



0, 9.559, 290.191

Previews

White Background



This preview shows how the CIE LCh color 69, 4.373, 109.720 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, 4.373, 109.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

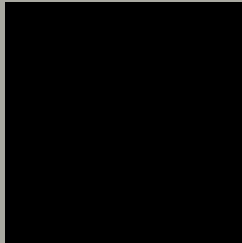
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

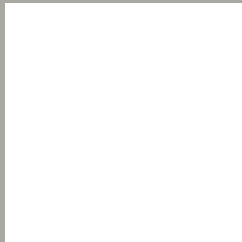
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 4.373, 109.720

Background



This preview shows how black text looks on a background with the CIELCh color 69, 4.373, 109.720.



This preview shows how white text looks on a background with the CIELCh color 69, 4.373, 109.720.

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, 4.373, 109.720

Protanopia

69, 4.769, 85.821

Deuteranopia

69, 9.371, 23.520



Tritanopia
69, 7.516, 308.031

Trichromacy



Original Color
69, 4.373, 109.720

Protanomaly
69, 4.628, 90.231

Deuteranomaly
69, 6.033, 35.573

Tritanomaly
69, 3.152, 318.878

Monochromacy



Original Color
69, 4.373, 109.720

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 1.637, 109.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 4.373, 109.720 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(169, 169, 161)` looks like.

```
.text, #text, p{  
    color:rgb(169, 169, 161)  
}
```

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(169, 169, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 169, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 4.373, 109.720 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(169, 169, 161) }
```

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

```
.border{ border-color:rgb(169, 169, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 169, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 169, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 169, 161);  
box-shadow:4px 4px 4px 4px rgb(169, 169,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 4.373, 109.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 169, 161) }
```

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

```
.background{ background-color: rgb(169,  
169, 161) }
```

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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