

Converting Colors

CIELCh(69, 0.645, 324.031)

Have a look what the booklet for
CIELCh(69, 0.645, 324.031) contains.

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Color

CIELCh(69, 0.677, 324.138)

Conversions

Conversions Part 1

Format	Color
Hex	A9A8A9
RGB	169, 168, 169
RGB Percent	66%, 66%, 66%
CMY	0.3370, 0.3409, 0.3370
CMYK	0.00, 0.01, 0.00, 0.34
HSL	300°, 1%, 66%
HSV	300°, 1%, 66%
XYZ	37.5639, 39.3444, 43.1881
YIQ	168.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

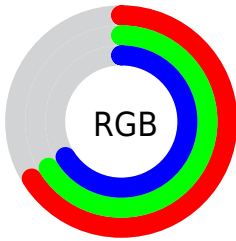
Format	Color
RYB	169, 168, 169
Decimal	11118761
CIELab	69.00, 0.55, -0.40
CIElCh	69, 0.677, 324.138
Yxy	39.3444, 0.3128, 0.3276
Android (android.graphics.Color)	4289308841 (0xFFA9A8A9)
YUV	168.4130, 0.2894, 0.5148
Hunter-Lab	62.7251, -2.8714, 3.0846

Details

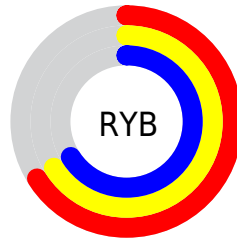
The CIELCh color $69, 0.677, 324.138$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 0.660, 144.753$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 0.645, 324.031$, and $49, 0.722, 324.246$ is the 20% darker color. If you saturate the color by 10%, you get $65, 12.085, 324.992$, and if you desaturate by 10%, it is $74, 10.533, 143.966$.

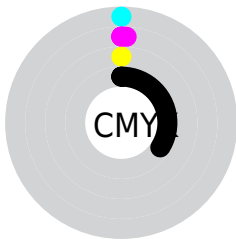
Distribution



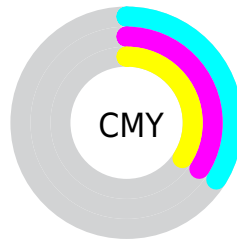
- Red (66%)
- Green (66%)
- Blue (66%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (0%)
- Black (34%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 0.677, 324.138 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, 0.677, 324.138 by changing the saturation by 10% instead.

■ 69, 0.677, 324.138

■ 69, 0.677, 324.138

100, 0.677,
324.138

■ 59, 0.677, 324.138

■ 89, 0.677, 324.138

■ 49, 0.677, 324.138

■ 99, 0.677, 324.138

■ 39, 0.677, 324.138

■ 29, 0.677, 324.138

■ 19, 0.677, 324.138

■ 9, 0.677, 324.138

■ 0, 0.677, 324.138

■ 69, 0.677, 324.138

■ 69, 0.677, 324.138

■ 65, 12.085,

■ 74, 10.533,

324.992

143.966

60, 23.578,
325.539

78, 21.467,
143.442

56, 34.972,
326.068

83, 32.086,
142.947

52, 46.013,
326.570

88, 42.375,
142.479

49, 56.364,
327.029

92, 52.330,
142.038

46, 65.619,
327.429

93, 53.705,
141.978

44, 73.350,
327.755

93, 53.705,
141.977

42, 79.185,
327.997

93, 53.705,
141.977

41, 82.930,
328.149

93, 53.705,
141.977

Harmonies

Complementary

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



69, 0.677, 324.138



69, 0.660, 144.753

Rectangle

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



69, 0.677, 324.138



69, 0.677, 14.138



69, 0.677, 144.138



69, 0.677, 194.138

Sweetspot

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



69, 0.675, 324.135



88, 0.010, 296.813



69, 0.546, 289.680



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, 0.675, 324.135



87, 1.408, 324.299



69, 0.479, 342.075



36, 0.643, 324.276



35, 76.993, 328.230



2, 11.673, 324.436

Inverse Universe

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



69, 0.378, 18.149



87, 0.792, 18.716



69, 0.467, 163.473



36, 0.361, 18.639



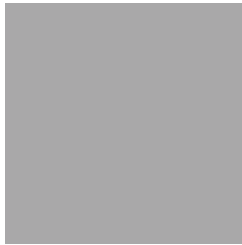
30, 69.024, 39.357



1, 6.572, 19.400

Previews

White Background



This preview shows how the CIELCh color 69, 0.677, 324.138 looks on a white background.

Color Contrast Check

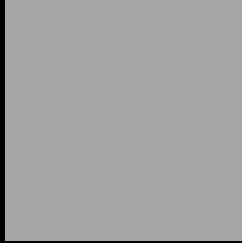
Large Text (above 18pt) WCAG AA × Fail

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, 0.677, 324.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

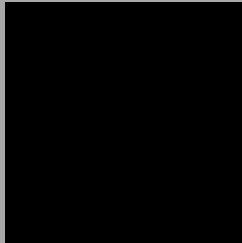
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

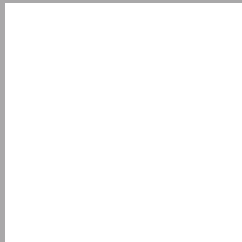
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 0.677, 324.138

Background



This preview shows how black text looks on a background with the CIELCh color 69, 0.677, 324.138.

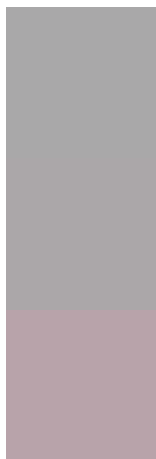


This preview shows how white text looks on a background with the CIELCh color 69, 0.677, 324.138.

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, 0.677, 324.138

Protanopia

69, 1.883, 343.646

Deuteranopia

69, 8.906, 354.720



Tritanopia
69, 7.945, 304.333

Trichromacy



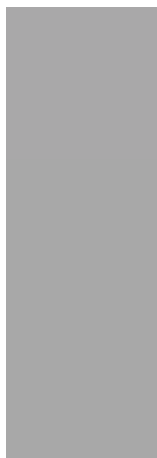
Original Color
69, 0.677, 324.138

Protanomaly
69, 1.593, 335.592

Deuteranomaly
69, 6.007, 352.768

Tritanomaly
69, 5.090, 303.313

Monochromacy



Original Color
69, 0.677, 324.138

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, 0.677, 324.138 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, 168, 169)` looks like.

```
.text, #text, p{  
    color:rgb(169, 168, 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(169, 168, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 168, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 0.677, 324.138 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, 168, 169) }
```

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

```
.border{ border-color:rgb(169, 168, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 168, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 168, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 168, 169); box-shadow:4px 4px 4px 4px rgb(169, 168, 169) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 0.677, 324.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 168, 169) }
```

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

```
.background{ background-color: rgb(169,  
168, 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](#).

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