

Converting Colors

CIELCh(68, 4.020, 325.167)

Have a look what the booklet for
CIELCh(68, 4.020, 325.167) contains.

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Color

CIELCh(68, 4.031, 324.575)

Conversions

Conversions Part 1

Format	Color
Hex	AAA4AA
RGB	170, 164, 170
RGB Percent	67%, 64%, 67%
CMY	0.3335, 0.3571, 0.3335
CMYK	0.00, 0.04, 0.00, 0.33
HSL	300°, 3%, 65%
HSV	300°, 4%, 67%
XYZ	37.0825, 37.9720, 43.3786
YIQ	166.4780, 1.6500, 3.1380

Conversions

Conversions Part 2

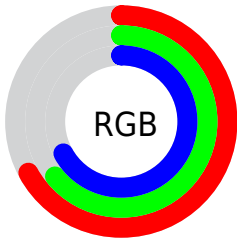
Format	Color
RYB	170, 164, 170
Decimal	11183274
CIELab	68.00, 3.28, -2.34
CIELCh	68, 4.031, 324.575
Yxy	37.9720, 0.3131, 0.3206
Android (android.graphics.Color)	4289373354 (0xFFAAA4AA)
YUV	166.4780, 1.7363, 3.0888
Hunter-Lab	61.6215, -0.4200, 1.3976

Details

The CIELCh color $68, 4.031, 324.575$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 4.014, 144.304$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 3.825, 324.515$, and $48, 4.310, 324.666$ is the 20% darker color. If you saturate the color by 10%, you get $64, 15.526, 325.156$, and if you desaturate by 10%, it is $73, 7.295, 144.130$.

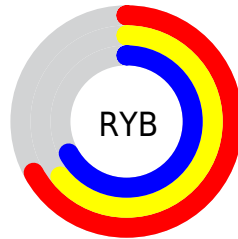
Distribution



Red (67%)

Green (64%)

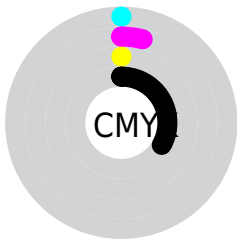
Blue (67%)



Red (67%)

Yellow (64%)

Blue (67%)

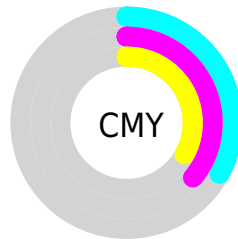


Cyan (0%)

Magenta (4%)

Yellow (0%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 4.031, 324.575 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, 4.031, 324.575 by changing the saturation by 10% instead.

68, 4.031, 324.575

68, 4.031, 324.575

100, 4.031,
324.575

58, 4.031, 324.575

88, 4.031, 324.575

48, 4.031, 324.575

98, 4.031, 324.575

38, 4.031, 324.575

28, 4.031, 324.575

18, 4.031, 324.575

8, 4.031, 324.575

0, 4.031, 324.575

68, 4.031, 324.575

68, 4.031, 324.575

64, 15.526,

73, 7.295, 144.130

325.156

77, 18.361,
143.593

59, 27.060,
325.698

82, 29.120,
143.091

55, 38.428,
326.221

87, 39.550,
142.614

52, 49.350,
326.712

91, 49.645,
142.165

48, 59.463,
327.155

93, 53.173,
142.011

45, 68.348,
327.535

93, 53.173,
142.011

43, 75.579,
327.838

93, 53.173,
142.011

42, 80.825,
328.053

93, 53.173,
142.011

41, 83.962,
328.179

Harmonies

Complementary

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



68, 4.031, 324.575



69, 4.014, 144.304

Rectangle

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



68, 4.031, 324.575



68, 4.031, 14.575



68, 4.031, 144.575



68, 4.031, 194.575

Sweetspot

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



68, 4.029, 324.575



88, 1.422, 324.301



68, 3.258, 289.873



47, 0.815, 324.286



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 4.029, 324.575



86, 5.674, 324.612



68, 2.862, 342.919



35, 3.206, 324.648



35, 76.993, 328.232



2, 11.673, 324.438

Inverse Universe

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



68, 2.290, 19.400



86, 3.230, 19.462



69, 2.839, 162.610



34, 1.829, 19.519



30, 69.026, 39.359



1, 6.572, 19.404

Previews

White Background



This preview shows how the CIELCh color 68, 4.031, 324.575 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 68, 4.031, 324.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

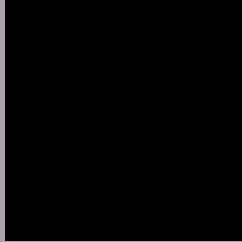
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

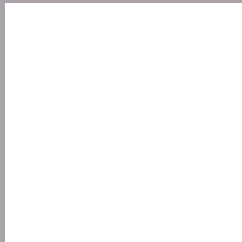
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 4.031, 324.575

Background



This preview shows how black text looks on a background with the CIELCh color 68, 4.031, 324.575.



This preview shows how white text looks on a background with the CIELCh color 68, 4.031, 324.575.

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, 4.031, 324.575

Protanopia

68, 2.870, 305.616

Deuteranopia

68, 8.798, 341.523



Tritanopia
68, 7.798, 313.278

Trichromacy



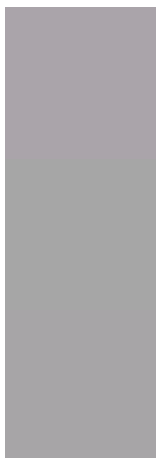
Original Color
68, 4.031, 324.575

Protanomaly
68, 2.995, 312.558

Deuteranomaly
68, 7.284, 337.213

Tritanomaly
68, 6.797, 316.827

Monochromacy



Original Color
68, 4.031, 324.575

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.350, 324.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 4.031, 324.575 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(170, 164, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 164, 170)  
}
```

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(170, 164, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 164, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 4.031, 324.575 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(170, 164, 170) }
```

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

```
.border{ border-color:rgb(170, 164, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 164, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 164, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 164, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 164,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 4.031, 324.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 164, 170) }
```

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

```
.background{ background-color: rgb(170,  
164, 170) }
```

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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