

Converting Colors

CIELCh(68, 12.794, 322.698)

Have a look what the booklet for
CIELCh(68, 12.794, 322.698)
contains.

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Color

CIELCh(68, 12.949, 322.230)

Conversions

Conversions Part 1

Format	Color
Hex	B2A0B4
RGB	178, 160, 180
RGB Percent	70%, 63%, 71%
CMY	0.3014, 0.3720, 0.2936
CMYK	0.01, 0.11, 0.00, 0.29
HSL	294°, 12%, 67%
HSV	294°, 11%, 71%
XYZ	39.2396, 37.9720, 48.5164
YIQ	167.6620, 4.3080, 10.0360

Conversions

Conversions Part 2

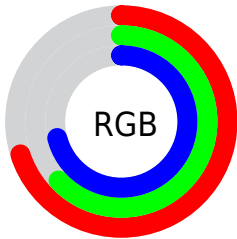
Format	Color
R_{YB}	178, 160, 180
Decimal	11706548
CIE _{Lab}	68.00, 10.24, -7.93
CIE _{LCh}	68, 12.949, 322.230
Yxy	37.9720, 0.3121, 0.3020
Android (android.graphics.Color)	4289896628 (0xFFB2A0B4)
YUV	167.6620, 6.0826, 9.0664
Hunter-Lab	61.6215, 5.8285, -3.5457

Details

The CIELCh color $68, 12.949, 322.230$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 12.902, 141.157$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 12.924, 322.264$, and $48, 12.403, 322.040$ is the 20% darker color. If you saturate the color by 10%, you get $63, 24.735, 322.719$, and if you desaturate by 10%, it is $73, 1.282, 321.598$.

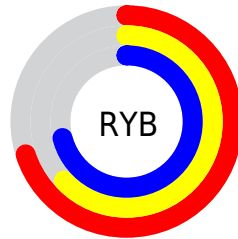
Distribution



Red (70%)

Green (63%)

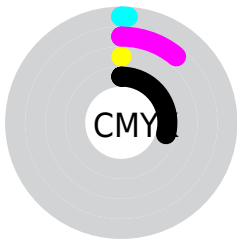
Blue (71%)



Red (70%)

Yellow (63%)

Blue (71%)

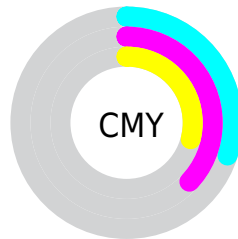


Cyan (1%)

Magenta (11%)

Yellow (0%)

Black (29%)



Cyan (30%)


Magenta (37%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 12.949, 322.230 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, 12.949, 322.230 by changing the saturation by 10% instead.


 68, 12.949,
322.230


 68, 12.949,
322.230


 100, 12.949,
322.230


 58, 12.949,
322.230


 88, 12.949,
322.230

 48, 12.949,
322.230

 98, 12.949,
322.230

 38, 12.949,
322.230

 28, 12.949,
322.230

 18, 12.949,
322.230

 8, 12.949, 322.230

 0, 12.949, 322.230

68, 12.949,
322.230

68, 12.949,
322.230

63, 24.735,
322.719

73, 1.282, 321.598

59, 36.486,
323.192

78, 10.159,
141.321

55, 47.961,
323.635

83, 21.314,
140.862

51, 58.830,
324.026

88, 32.155,
140.433

47, 68.671,
324.339

93, 42.669,
140.032

44, 77.006,
324.546

94, 45.154,
139.474

42, 83.380,
324.619


94, 44.810,
138.841

40, 87.502,

94, 44.470,
138.193

324.539

 94, 44.134,
137.532

 40, 89.629,
324.362

Harmonies

Complementary

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



68, 12.949, 322.230



72, 12.902, 141.157

Rectangle

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



68, 12.949, 322.230



68, 12.949, 12.230



68, 12.949, 142.230



68, 12.949, 192.230

Sweetspot

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



68, 12.947, 322.230



91, 4.314, 321.799



67, 9.784, 286.239



48, 3.269, 321.850



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 12.947, 322.230



85, 18.816, 322.335



68, 10.199, 338.651



35, 6.547, 322.140



33, 79.447, 324.410



2, 15.524, 320.342

Inverse Universe

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



68, 7.824, 12.017



85, 11.433, 12.228



72, 10.114, 157.059



35, 3.938, 11.842



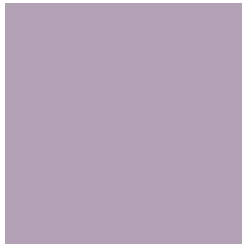
31, 67.191, 35.155



2, 9.227, 13.006

Previews

White Background



This preview shows how the CIELCh color 68, 12.949, 322.230 looks on a white background.

Color Contrast Check

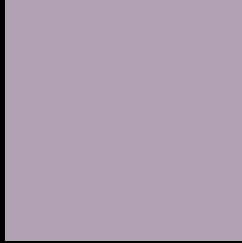
Large Text (above 18pt) WCAG AA × Fail

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, 12.949, 322.230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

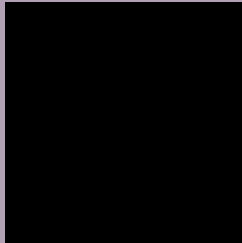
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 12.949, 322.230

Background



This preview shows how black text looks on a background with the CIELCh color 68, 12.949, 322.230.



This preview shows how white text looks on a background with the CIELCh color 68, 12.949, 322.230.

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, 12.949, 322.230

Protanopia

68, 9.919, 289.102

Deuteranopia

68, 11.744, 317.316



Tritanopia
68, 9.395, 330.614

Trichromacy



Original Color
68, 12.949, 322.230

Protanomaly
68, 10.742, 302.990

Deuteranomaly
68, 11.913, 318.937

Tritanomaly
68, 10.253, 326.644

Monochromacy



Original Color
68, 12.949, 322.230

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 4.693, 324.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 12.949, 322.230 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(178, 160, 180)` looks like.

```
.text, #text, p{  
    color:rgb(178, 160, 180)  
}
```

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(178, 160, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 160, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 12.949, 322.230 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(178, 160, 180) }
```

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

```
.border{ border-color:rgb(178, 160, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 160, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 160, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 160, 180);  
box-shadow:4px 4px 4px 4px rgb(178, 160,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 12.949, 322.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 160, 180) }
```

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

```
.background{ background-color: rgb(178,  
160, 180) }
```

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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