

Converting Colors

CIELCh(69, 12.357, 52.094)

Have a look what the booklet for
CIELCh(69, 12.357, 52.094) contains.

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Color

CIELCh(69, 12.341, 52.100)

Conversions

Conversions Part 1

Format	Color
Hex	BDA397
RGB	189, 163, 151
RGB Percent	74%, 64%, 59%
CMY	0.2581, 0.3600, 0.4071
CMYK	0.00, 0.14, 0.20, 0.26
HSL	19°, 22%, 67%
HSV	19°, 20%, 74%
XYZ	39.7653, 39.3444, 34.8545
YIQ	169.4060, 19.3480, 1.7800

Conversions

Conversions Part 2

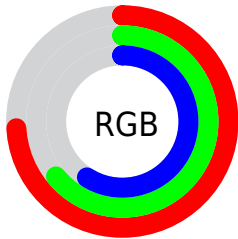
Format	Color
R_{YB}	189, 169, 151
Decimal	12428183
CIE Lab	69.00, 7.58, 9.74
CIE LCh	69, 12.341, 52.100
Yxy	39.3444, 0.3489, 0.3452
Android (android.graphics.Color)	4290618263 (0xFFBDA397)
YUV	169.4060, -9.0742, 17.1839
Hunter-Lab	62.7251, 3.3933, 10.9619

Details

The CIELCh color **69, 12.341, 52.100** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **71, 11.048, 235.427**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 12.521, 52.446**, and **49, 12.329, 51.623** is the 20% darker color. If you saturate the color by 10%, you get **65, 19.193, 51.527**, and if you desaturate by 10%, it is **73, 5.973, 52.734**.

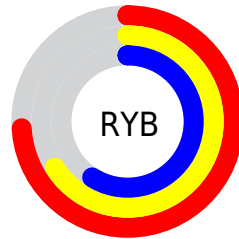
Distribution



Red (74%)

Green (64%)

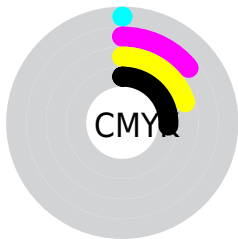
Blue (59%)



Red (74%)

Yellow (66%)

Blue (59%)

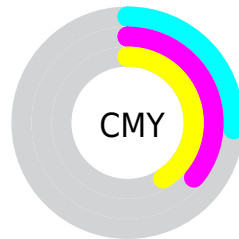


Cyan (0%)

Magenta (14%)

Yellow (20%)

Black (26%)



Cyan (26%)

Magenta (36%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 12.341, 52.100 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, 12.341, 52.100 by changing the saturation by 10% instead.

■ 69, 12.341, 52.100

■ 69, 12.341, 52.100

■ 100, 12.341,
52.100

■ 59, 12.341, 52.100

■ 89, 12.341, 52.100

■ 49, 12.341, 52.100

■ 99, 12.341, 52.100

■ 39, 12.341, 52.100

■ 29, 12.341, 52.100

■ 19, 12.341, 52.100

■ 9, 12.341, 52.100

■ 0, 12.341, 52.100

■ 69, 12.341, 52.100

■ 69, 12.341, 52.100

■ 65, 19.193, 51.527

■ 73, 5.973, 52.734

62, 26.562, 51.023

77, 0.048, 43.589

58, 34.459, 50.618

81, 5.483, 234.353

55, 42.845, 50.317

84, 10.663,
235.069

52, 51.584, 50.088

88, 15.534,
235.817

49, 60.343, 49.816

46, 68.381, 49.205

92, 18.016,
222.567

44, 74.944, 48.155

96, 20.933,
199.838

96, 21.337,
198.103

Harmonies

Complementary

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



69, 12.341, 52.100



71, 11.048, 235.427

Rectangle

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



69, 12.341, 52.100



69, 12.341, 102.100



69, 12.341, 232.100



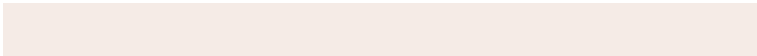
69, 12.341, 282.100

Sweetspot

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



69, 12.341, 52.111



94, 4.315, 52.959



67, 20.482, 335.673



49, 2.868, 52.926



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



69, 12.341, 52.111



85, 18.469, 51.853



74, 16.641, 98.101



38, 3.339, 52.779



37, 65.293, 48.627



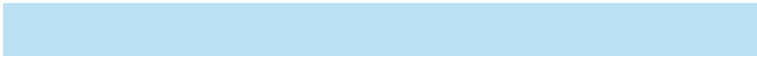
4, 10.286, 41.668

Inverse Universe

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



71, 11.048, 235.427



88, 16.101, 235.940



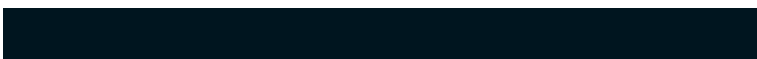
66, 17.011, 283.003



38, 3.183, 234.376



43, 34.941, 258.352



6, 9.768, 247.704

Previews

White Background



This preview shows how the CIELCh color 69, 12.341, 52.100 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, 12.341, 52.100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

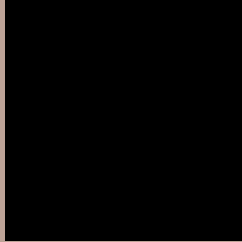
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 12.341, 52.100

Background



This preview shows how black text looks on a background with the CIELCh color 69, 12.341, 52.100.

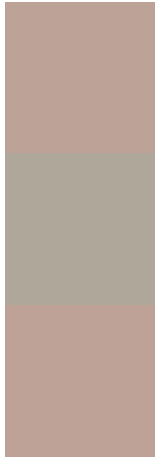


This preview shows how white text looks on a background with the CIELCh color 69, 12.341, 52.100.

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, 12.341, 52.100

Protanopia

69, 8.121, 89.625

Deuteranopia

69, 13.132, 47.389



Tritanopia
69, 13.891, 352.544

Trichromacy



Original Color
69, 12.341, 52.100

Protanomaly
69, 9.012, 71.573

Deuteranomaly
69, 12.768, 48.206

Tritanomaly
69, 11.785, 12.490

Monochromacy



Original Color
69, 12.341, 52.100

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 4.401, 57.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 12.341, 52.100 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(189, 163, 151)` looks like.

```
.text, #text, p{  
    color:rgb(189, 163, 151)  
}
```

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(189, 163, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 163, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 12.341, 52.100 is called "border". The border property can be set on classes, ids or directly on the HTML element.

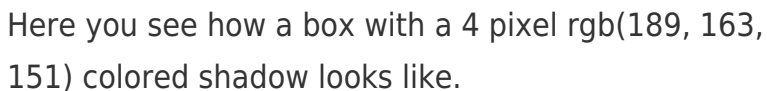
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 163, 151) }
```

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

```
.border{ border-color:rgb(189, 163, 151) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 163, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 163, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 163, 151); box-shadow:4px 4px 4px 4px rgb(189, 163, 151) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 12.341, 52.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 163, 151) }
```

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

```
.background{ background-color: rgb(189,  
163, 151) }
```

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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