

Converting Colors

CIELCh(69, 9.584, 31.371)

Have a look what the booklet for
CIELCh(69, 9.584, 31.371) contains.

CIELCh(69, 9.542, 30.034)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(69, 9.542, 30.034)

Conversions

Conversions Part 1

Format	Color
Hex	BBA3A0
RGB	187, 163, 160
RGB Percent	73%, 64%, 63%
CMY	0.2663, 0.3604, 0.3722
CMYK	0.00, 0.13, 0.14, 0.27
HSL	7°, 17%, 68%
HSV	7°, 14%, 73%
XYZ	39.9826, 39.3444, 38.7861
YIQ	169.8340, 15.2670, 4.1550

Conversions

Conversions Part 2

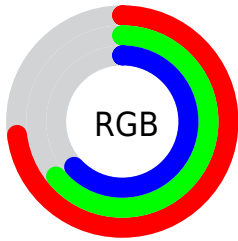
Format	Color
RYB	187, 163, 160
Decimal	12297120
CIELab	69.00, 8.26, 4.78
CIELCh	69, 9.542, 30.034
Yxy	39.3444, 0.3385, 0.3331
Android (android.graphics.Color)	4290487200 (0xFFBBA3A0)
YUV	169.8340, -4.8482, 15.0546
Hunter-Lab	62.7251, 4.0116, 7.2455

Details

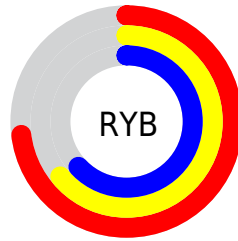
The CIELCh color **69, 9.542, 30.034** is a light color, and the websafe version is hex **999999**. A complement of this color would be **73, 8.678, 209.663**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 9.347, 29.547**, and **49, 9.793, 27.317** is the 20% darker color. If you saturate the color by 10%, you get **64, 16.832, 30.491**, and if you desaturate by 10%, it is **74, 2.812, 29.645**.

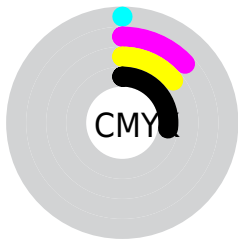
Distribution



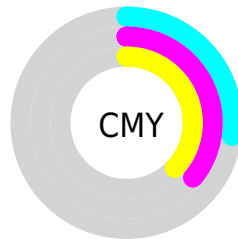
- Red (73%)
- Green (64%)
- Blue (63%)



- Red (73%)
- Yellow (64%)
- Blue (63%)



- Cyan (0%)
- Magenta (13%)
- Yellow (14%)
- Black (27%)



- Cyan (27%)
- Magenta (36%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 9.542, 30.034 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, 9.542, 30.034 by changing the saturation by 10% instead.

 69, 9.542, 30.034  69, 9.542, 30.034

 100, 9.542, 30.034  59, 9.542, 30.034

 89, 9.542, 30.034  49, 9.542, 30.034

 99, 9.542, 30.034  39, 9.542, 30.034


 29, 9.542, 30.034

 19, 9.542, 30.034

 9, 9.542, 30.034

 0, 9.542, 30.034

 69, 9.542, 30.034  69, 9.542, 30.034

 64, 16.832, 30.491  74, 2.812, 29.645

60, 24.710, 31.121

79, 3.396, 209.835

56, 33.167, 32.002

84, 9.133, 209.669

52, 42.142, 33.197

88, 14.452,
209.644

48, 51.498, 34.754

93, 19.401,
209.679

45, 60.974, 36.664

42, 70.053, 38.742

96, 21.951,
198.065

40, 77.610, 40.413

40, 81.104, 41.355

Harmonies

Complementary

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



69, 9.542, 30.034



73, 8.678, 209.663

Rectangle

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



69, 9.542, 30.034



69, 9.542, 80.034



69, 9.542, 210.034



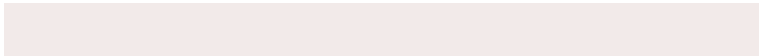
69, 9.542, 260.034

Sweetspot

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



69, 9.541, 30.046



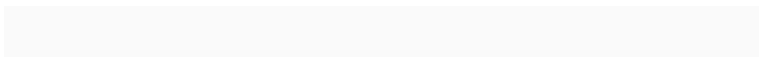
93, 3.126, 29.620



69, 16.735, 328.084



50, 2.247, 29.669



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, 9.541, 30.046



86, 14.026, 30.158



72, 9.733, 83.568



37, 3.695, 29.862



33, 71.176, 41.372



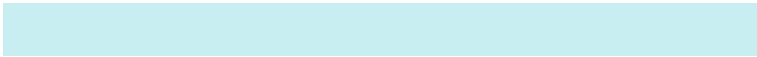
3, 11.372, 26.336

Inverse Universe

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



73, 8.678, 209.663



92, 12.503, 209.647



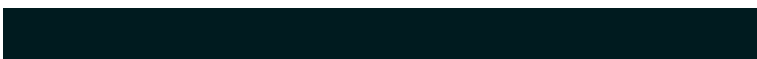
70, 9.593, 267.434



39, 3.480, 209.724



53, 31.007, 216.210



8, 10.105, 212.902

Previews

White Background



This preview shows how the CIELCh color 69, 9.542, 30.034 looks on a white background.

Color Contrast Check

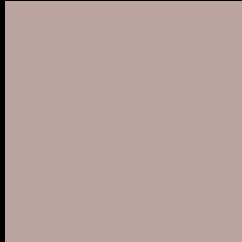
Large Text (above 18pt) WCAG AA × Fail

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, 9.542, 30.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

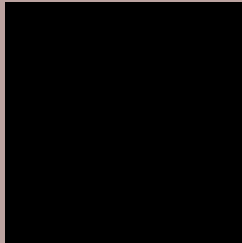
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 9.542, 30.034

Background



This preview shows how black text looks on a background with the CIELCh color 69, 9.542, 30.034.



This preview shows how white text looks on a background with the CIELCh color 69, 9.542, 30.034.

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, 9.542, 30.034

Protanopia

69, 3.325, 74.631

Deuteranopia

69, 9.937, 29.671



Tritanopia
69, 12.820, 346.895

Trichromacy



Original Color
69, 9.542, 30.034

Protanomaly
69, 5.120, 44.946

Deuteranomaly
69, 9.937, 29.671

Tritanomaly
69, 10.699, 359.435

Monochromacy



Original Color
69, 9.542, 30.034

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 3.480, 28.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 9.542, 30.034 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(187, 163, 160)` looks like.

```
.text, #text, p{  
    color:rgb(187, 163, 160)  
}
```

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(187, 163, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 163, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 9.542, 30.034 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(187, 163, 160) }
```

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

```
.border{ border-color:rgb(187, 163, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 163, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 163, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 163, 160);  
box-shadow:4px 4px 4px 4px rgb(187, 163,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 9.542, 30.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 163, 160) }
```

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

```
.background{ background-color: rgb(187,  
163, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor