

Converting Colors

CIELCh(69, 4.339, 14.063)

Have a look what the booklet for
CIELCh(69, 4.339, 14.063) contains.

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Color

CIELCh(69, 4.242, 12.265)

Conversions

Conversions Part 1

Format	Color
Hex	B1A6A7
RGB	177, 166, 167
RGB Percent	69%, 65%, 65%
CMY	0.3064, 0.3495, 0.3456
CMYK	0.00, 0.06, 0.06, 0.31
HSL	355°, 7%, 67%
HSV	355°, 6%, 69%
XYZ	38.6793, 39.3444, 42.0539
YIQ	169.4030, 6.2350, 2.6430

Conversions

Conversions Part 2

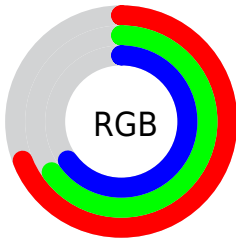
Format	Color
RYB	177, 166, 167
Decimal	11642535
CIELab	69.00, 4.15, 0.90
CIELCh	69, 4.242, 12.265
Yxy	39.3444, 0.3221, 0.3277
Android (android.graphics.Color)	4289832615 (0xFFB1A6A7)
YUV	169.4030, -1.1847, 6.6626
Hunter-Lab	62.7251, 0.3028, 4.1567

Details

The CIELCh color $69, 4.242, 12.265$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $71, 4.106, 191.567$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 4.376, 12.775$, and $49, 4.144, 11.695$ is the 20% darker color. If you saturate the color by 10%, you get $64, 11.432, 13.273$, and if you desaturate by 10%, it is $74, 2.492, 191.840$.

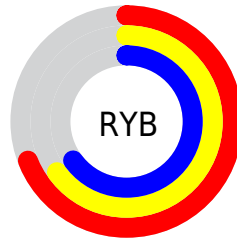
Distribution



Red (69%)

Green (65%)

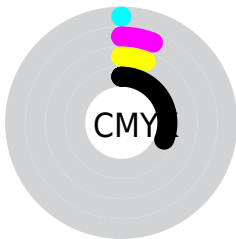
Blue (65%)



Red (69%)

Yellow (65%)

Blue (65%)

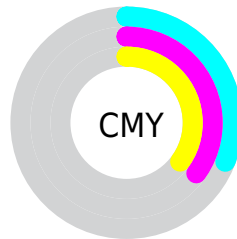


Cyan (0%)

Magenta (6%)

Yellow (6%)

Black (31%)



Cyan (31%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 4.242, 12.265 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, 4.242, 12.265 by changing the saturation by 10% instead.

 69, 4.242, 12.265  69, 4.242, 12.265

 100, 4.242, 12.265  59, 4.242, 12.265

 89, 4.242, 12.265  49, 4.242, 12.265


 99, 4.242, 12.265  39, 4.242, 12.265

 29, 4.242, 12.265

 19, 4.242, 12.265

 9, 4.242, 12.265

 0, 4.242, 12.265

 69, 4.242, 12.265  69, 4.242, 12.265

 64, 11.432, 13.273  74, 2.492, 191.840

■ 59, 19.079, 14.412

■ 79, 8.785, 191.062

■ 54, 27.132, 15.817

■ 84, 14.673,
190.495

■ 50, 35.484, 17.585

■ 90, 20.195,
190.016

■ 46, 43.947, 19.833

■ 43, 52.269, 22.685

■ 95, 25.389,
189.600

■ 40, 60.166, 26.233

■ 95, 24.866,
197.884

■ 38, 67.370, 30.417

■ 37, 73.554, 34.801

Harmonies

Complementary

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



69, 4.242, 12.265



71, 4.106, 191.567

Rectangle

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



69, 4.242, 12.265



69, 4.242, 62.265



69, 4.242, 192.265



69, 4.242, 242.265

Sweetspot

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



69, 4.240, 12.285



90, 1.664, 11.709



69, 7.117, 321.981



48, 0.945, 11.680



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 4.240, 12.285



87, 5.919, 12.376



70, 3.467, 63.157



36, 3.127, 12.410



31, 67.573, 35.649



2, 9.216, 13.600

Inverse Universe

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



69, 4.240, 12.285



87, 5.919, 12.376



70, 3.392, 244.674



36, 3.127, 12.410



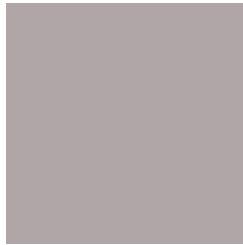
31, 67.573, 35.649



2, 9.216, 13.600

Previews

White Background



This preview shows how the CIELCh color 69, 4.242, 12.265 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, 4.242, 12.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

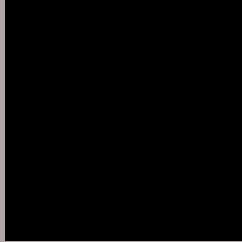
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 4.242, 12.265

Background



This preview shows how black text looks on a background with the CIELCh color 69, 4.242, 12.265.



This preview shows how white text looks on a background with the CIELCh color 69, 4.242, 12.265.

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, 4.242, 12.265

Protanopia

69, 1.137, 19.078

Deuteranopia

69, 8.749, 5.703



Tritanopia
69, 8.901, 326.835

Trichromacy



Original Color
69, 4.242, 12.265

Protanomaly
69, 2.350, 5.927

Deuteranomaly
69, 7.108, 6.655

Tritanomaly
69, 6.615, 338.404

Monochromacy



Original Color
69, 4.242, 12.265

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 1.517, 19.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 4.242, 12.265 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(177, 166, 167)` looks like.

```
.text, #text, p{  
    color:rgb(177, 166, 167)  
}
```

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(177, 166, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 166, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 4.242, 12.265 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(177, 166, 167) }
```

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

```
.border{ border-color:rgb(177, 166, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 166, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 166, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 166, 167);  
box-shadow:4px 4px 4px 4px rgb(177, 166,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 4.242, 12.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 166, 167) }
```

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

```
.background{ background-color: rgb(177,  
166, 167) }
```

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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