

Converting Colors

CIELCh(69, 4.462, 146.353)

Have a look what the booklet for
CIELCh(69, 4.462, 146.353) contains.

CIELCh(69, 4.245, 148.429)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 4.245, 148.429)

Conversions

Conversions Part 1

Format	Color
Hex	A3AAA4
RGB	163, 170, 164
RGB Percent	64%, 67%, 64%
CMY	0.3598, 0.3323, 0.3559
CMYK	0.04, 0.00, 0.04, 0.33
HSL	129°, 4%, 65%
HSV	129°, 4%, 67%
XYZ	36.2991, 39.3444, 40.9198
YIQ	167.2230, -2.2460, -3.3500

Conversions

Conversions Part 2

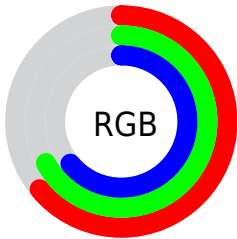
Format	Color
RYB	163, 169, 170
Decimal	10726052
CIELab	69.00, -3.62, 2.22
CIELCh	69, 4.245, 148.429
Yxy	39.3444, 0.3114, 0.3375
Android (android.graphics.Color)	4288916132 (0xFFA3AAA4)
YUV	167.2230, -1.5889, -3.7036
Hunter-Lab	62.7251, -6.4707, 5.2288

Details

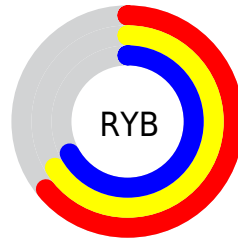
The CIELCh color $69, 4.245, 148.429$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 4.263, 328.788$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 4.023, 148.505$, and $49, 4.544, 148.311$ is the 20% darker color. If you saturate the color by 10%, you get $67, 14.674, 147.725$, and if you desaturate by 10%, it is $71, 6.038, 328.890$.

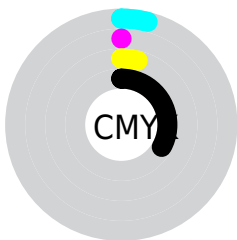
Distribution



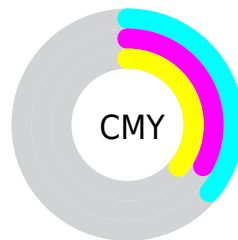
- Red (64%)
- Green (67%)
- Blue (64%)



- Red (64%)
- Yellow (66%)
- Blue (67%)



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)



- Cyan (36%)
- Magenta (33%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 4.245, 148.429 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, 4.245, 148.429 by changing the saturation by 10% instead.

■ 69, 4.245, 148.429

■ 69, 4.245, 148.429

■ 100, 4.245,
148.429

■ 59, 4.245, 148.429

■ 89, 4.245, 148.429

■ 49, 4.245, 148.429

■ 99, 4.245, 148.429

■ 39, 4.245, 148.429

■ 29, 4.245, 148.429

■ 19, 4.245, 148.429

■ 9, 4.245, 148.429

■ 0, 4.245, 148.429

■ 69, 4.245, 148.429

■ 69, 4.245, 148.429

■ 67, 14.674,

■ 71, 6.038, 328.890

147.725

73, 16.105,
329.406

66, 25.134,
146.951

75, 25.902,
329.836

65, 35.480,
146.056

77, 35.399,
330.208

64, 45.530,
145.024

79, 44.584,
330.533

63, 55.063,
143.847

80, 51.633,
327.318

62, 63.834,
142.532

80, 52.950,
326.250

61, 71.580,
141.109

61, 78.039,
139.647

61, 82.976,
138.249

Harmonies

Complementary

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



69, 4.245, 148.429



68, 4.263, 328.788

Rectangle

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



69, 4.245, 148.429



69, 4.245, 198.429



69, 4.245, 328.429



69, 4.245, 18.429

Sweetspot

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



69, 4.247, 148.428



88, 1.270, 148.800



69, 3.844, 115.101



47, 0.728, 148.818



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



69, 4.247, 148.428



87, 6.408, 148.356



69, 2.997, 171.283



35, 3.477, 148.322



53, 76.523, 137.750



5, 10.721, 147.981

Inverse Universe

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



68, 4.263, 328.788



86, 6.429, 328.857



68, 3.032, 351.742



34, 3.488, 328.889



34, 68.985, 334.739



2, 10.214, 330.220

Previews

White Background



This preview shows how the CIELCh color 69, 4.245, 148.429 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, 4.245, 148.429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

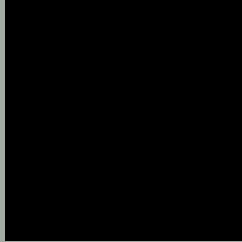
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

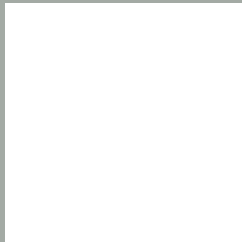
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 4.245, 148.429

Background



This preview shows how black text looks on a background with the CIELCh color 69, 4.245, 148.429.



This preview shows how white text looks on a background with the CIELCh color 69, 4.245, 148.429.

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, 4.245, 148.429

Protanopia

69, 3.325, 74.631

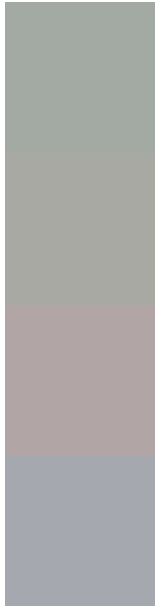
Deuteranopia

69, 8.645, 9.226



Tritanopia
69, 7.167, 285.068

Trichromacy



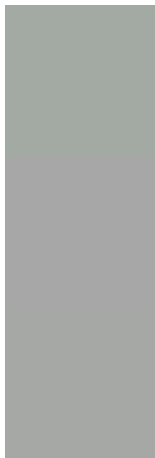
Original Color
69, 4.245, 148.429

Protanomaly
69, 3.278, 109.827

Deuteranomaly
69, 4.252, 27.044

Tritanomaly
69, 3.590, 266.221

Monochromacy



Original Color
69, 4.245, 148.429

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 1.334, 144.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 4.245, 148.429 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(163, 170, 164)` looks like.

```
.text, #text, p{  
    color:rgb(163, 170, 164)  
}
```

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(163, 170, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 170, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 4.245, 148.429 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(163, 170, 164) }
```

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

```
.border{ border-color:rgb(163, 170, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 170, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 170, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 170, 164);  
box-shadow:4px 4px 4px 4px rgb(163, 170,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 4.245, 148.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 170, 164) }
```

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

```
.background{ background-color: rgb(163,  
170, 164) }
```

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