

Converting Colors

CIELCh(69, 38.714, 120.341)

Have a look what the booklet for
CIELCh(69, 38.714, 120.341)
contains.

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Color

CIELCh(69, 38.622, 120.708)

Conversions

Conversions Part 1

Format	Color
Hex	9AB16B
RGB	154, 177, 107
RGB Percent	60%, 69%, 42%
CMY	0.3963, 0.3061, 0.5806
CMYK	0.13, 0.00, 0.40, 0.31
HSL	80°, 31%, 56%
HSV	80°, 40%, 69%
XYZ	31.6757, 39.3444, 19.8189
YIQ	162.1430, 8.7620, -26.6460

Conversions

Conversions Part 2

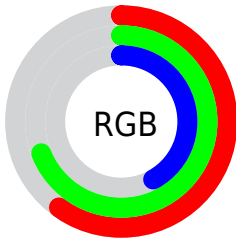
Format	Color
RYB	107, 177, 130
Decimal	10137963
CIELab	69.00, -19.72, 33.21
CIElCh	69, 38.622, 120.708
Yxy	39.3444, 0.3487, 0.4331
Android (android.graphics.Color)	4288328043 (0xFF9AB16B)
YUV	162.1430, -27.1855, -7.1414
Hunter-Lab	62.7251, -19.6278, 25.1740

Details

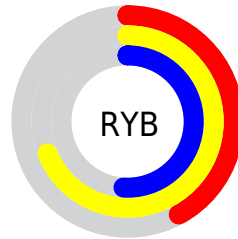
The CIELCh color **69, 38.622, 120.708** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **50, 41.781, 305.521**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 38.965, 120.926**, and **49, 38.329, 120.330** is the 20% darker color. If you saturate the color by 10%, you get **68, 47.825, 120.225**, and if you desaturate by 10%, it is **70, 29.065, 121.250**.

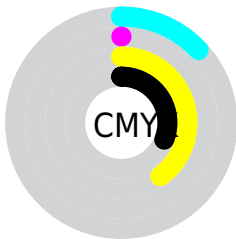
Distribution



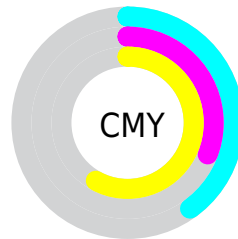
- Red (60%)
- Green (69%)
- Blue (42%)



- Red (42%)
- Yellow (69%)
- Blue (51%)



- Cyan (13%)
- Magenta (0%)
- Yellow (40%)
- Black (31%)




- Cyan (40%)
- Magenta (31%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 38.622, 120.708 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, 38.622, 120.708 by changing the saturation by 10% instead.

 69, 38.622,
120.708

 69, 38.622,
120.708


 100, 38.622,
120.708

 59, 38.622,
120.708


 89, 38.622,
120.708

 49, 38.622,
120.708

 99, 38.622,
120.708

 39, 38.622,
120.708

 29, 38.622,
120.708

 19, 38.622,
120.708

 9, 38.622, 120.708

 0, 38.622, 120.708

■ 69, 38.622,
120.708

■ 69, 38.622,
120.708

■ 68, 47.825,
120.225

■ 70, 29.065,
121.250

■ 68, 56.445,
119.848

■ 70, 19.304,
121.809

■ 67, 64.160,
119.659

■ 71, 9.444, 122.366

■ 67, 70.558,
119.760

■ 72, 0.444, 302.775

■ 66, 75.228,
120.261

■ 73, 10.309,
303.399

■ 66, 78.246,
121.147

■ 74, 20.116,
303.879

■ 66, 78.372,
121.186

■ 75, 29.839,
304.323

■ 76, 39.458,
304.733

■ 77, 43.184,
306.450

Harmonies

Complementary

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



69, 38.622, 120.708



50, 41.781, 305.521

Rectangle

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



69, 38.622, 120.708



69, 38.622, 170.708



69, 38.622, 300.708



69, 38.622, 350.708

Sweetspot

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



69, 38.623, 120.710



90, 14.646, 122.220



58, 24.748, 51.139



47, 9.704, 122.150



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, 38.623, 120.710



87, 56.173, 120.304



67, 44.106, 137.084



37, 5.635, 122.379



58, 70.324, 121.013



8, 13.950, 126.785

Inverse Universe

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



50, 41.781, 305.521



59, 61.999, 306.202



54, 44.771, 321.034



35, 5.735, 303.388



20, 88.083, 308.859



1, 13.549, 300.051

Previews

White Background



This preview shows how the CIELCh color 69, 38.622, 120.708 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, 38.622, 120.708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

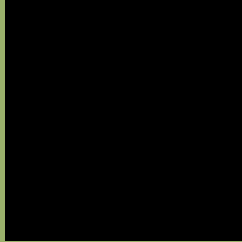
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 38.622, 120.708

Background



This preview shows how black text looks on a background with the CIELCh color 69, 38.622, 120.708.

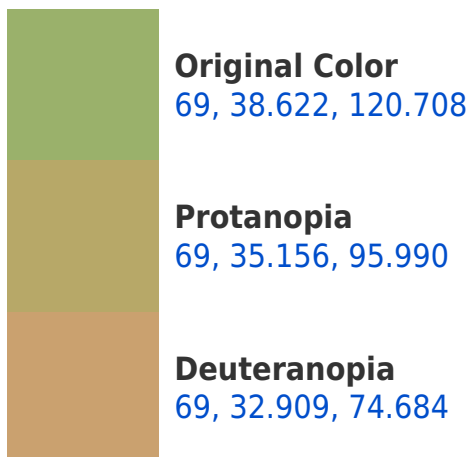


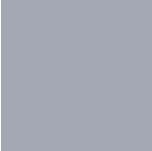
This preview shows how white text looks on a background with the CIELCh color 69, 38.622, 120.708.

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





Tritanopia
69, 7.264, 279.361

Trichromacy



Original Color
69, 38.622, 120.708

Protanomaly
69, 35.449, 105.833

Deuteranomaly
69, 31.889, 92.969

Tritanomaly
69, 10.260, 133.634

Monochromacy



Original Color
69, 38.622, 120.708

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 14.084, 121.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 38.622, 120.708 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(154, 177, 107)` looks like.

```
.text, #text, p{  
    color:rgb(154, 177, 107)  
}
```

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(154, 177, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 177, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 38.622, 120.708 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(154, 177, 107) }
```

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

```
.border{ border-color:rgb(154, 177, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 177, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 177, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 177, 107);  
box-shadow:4px 4px 4px 4px rgb(154, 177,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 38.622, 120.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 177, 107) }
```

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

```
.background{ background-color: rgb(154,  
177, 107) }
```

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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