

Converting Colors

CIELCh(69, 37.652, 117.469)

Have a look what the booklet for
CIELCh(69, 37.652, 117.469)
contains.

CIELCh(69, 37.574, 117.335)	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, 37.574, 117.335)

Conversions

Conversions Part 1

Format	Color
Hex	9FB06B
RGB	159, 176, 107
RGB Percent	62%, 69%, 42%
CMY	0.3775, 0.3108, 0.5814
CMYK	0.10, 0.00, 0.39, 0.31
HSL	75°, 30%, 55%
HSV	75°, 39%, 69%
XYZ	32.3574, 39.3444, 19.7289
YIQ	163.0510, 12.0170, -25.0630

Conversions

Conversions Part 2

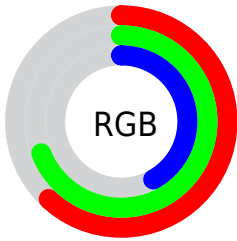
Format	Color
RYB	107, 176, 124
Decimal	10465387
CIELab	69.00, -17.25, 33.38
CIELCh	69, 37.574, 117.335
Yxy	39.3444, 0.3539, 0.4303
Android (android.graphics.Color)	4288655467 (0xFF9FB06B)
YUV	163.0510, -27.6331, -3.5527
Hunter-Lab	62.7251, -17.6879, 25.2591

Details

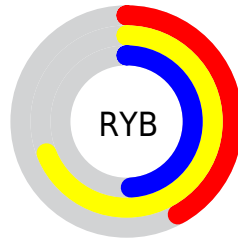
The CIELCh color **69, 37.574, 117.335** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **49, 40.976, 302.882**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 37.899, 117.209**, and **49, 37.304, 117.330** is the 20% darker color. If you saturate the color by 10%, you get **68, 46.570, 116.780**, and if you desaturate by 10%, it is **70, 28.221, 117.948**.

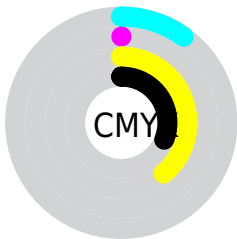
Distribution



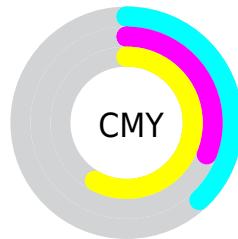
- Red (62%)
- Green (69%)
- Blue (42%)



- Red (42%)
- Yellow (69%)
- Blue (49%)



- Cyan (10%)
- Magenta (0%)
- Yellow (39%)
- Black (31%)





- Cyan (38%)
- Magenta (31%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 37.574, 117.335 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, 37.574, 117.335 by changing the saturation by 10% instead.


 69, 37.574,
117.335


 69, 37.574,
117.335


 100, 37.574,
117.335


 59, 37.574,
117.335


 89, 37.574,
117.335

 49, 37.574,
117.335

 99, 37.574,
117.335

 39, 37.574,
117.335

 29, 37.574,
117.335

 19, 37.574,
117.335

 9, 37.574, 117.335

 0, 37.574, 117.335

69, 37.574,
117.335

69, 37.574,
117.335

68, 46.570,
116.780

70, 28.221,
117.948

68, 54.981,
116.326

70, 18.656,
118.580

68, 62.488,
116.047

71, 8.982, 119.211

67, 68.680,
116.032

72, 0.732, 299.785

67, 73.140,
116.381

73, 10.439,
300.405

66, 75.911,
117.092

74, 20.106,
300.962

66, 76.103,
117.145

74, 29.707,
301.485

75, 39.224,
301.973

■ 76, 43.453,
303.201

Harmonies

Complementary

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



69, 37.574, 117.335



49, 40.976, 302.882

Rectangle

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



69, 37.574, 117.335



69, 37.574, 167.335



69, 37.574, 297.335



69, 37.574, 347.335

Sweetspot

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



69, 37.575, 117.337



90, 14.465, 119.025



56, 25.181, 42.623



48, 9.583, 118.946



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, 37.575, 117.337



87, 55.325, 116.855



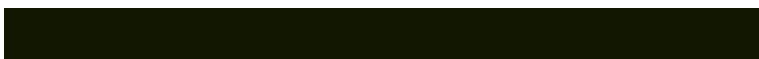
67, 42.429, 134.794



36, 5.434, 119.208



58, 67.821, 116.988



7, 11.665, 122.875

Inverse Universe

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



49, 40.976, 302.882



58, 61.785, 303.759



53, 43.485, 318.435



34, 5.541, 300.372



18, 88.194, 307.827



1, 11.476, 298.033

Previews

White Background



This preview shows how the CIELCh color 69, 37.574, 117.335 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, 37.574, 117.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

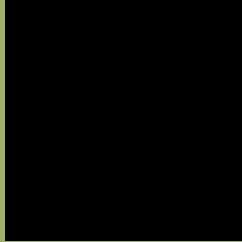
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 37.574, 117.335

Background



This preview shows how black text looks on a background with the CIELCh color 69, 37.574, 117.335.



This preview shows how white text looks on a background with the CIELCh color 69, 37.574, 117.335.

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, 37.574, 117.335

Protanopia
69, 35.246, 95.298

Deuteranopia
69, 33.378, 75.087



Tritanopia
69, 7.164, 293.836

Trichromacy



Original Color
69, 37.574, 117.335

Protanomaly
69, 35.491, 103.766

Deuteranomaly
69, 32.159, 91.453

Tritanomaly
69, 9.509, 121.019

Monochromacy



Original Color
69, 37.574, 117.335

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 13.980, 120.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 37.574, 117.335 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(159, 176, 107)` looks like.

```
.text, #text, p{  
    color:rgb(159, 176, 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(159, 176, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 176, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 37.574, 117.335 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(159, 176, 107) }
```

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

```
.border{ border-color:rgb(159, 176, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 176, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 176, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 176, 107);  
box-shadow:4px 4px 4px 4px rgb(159, 176,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 37.574, 117.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 176, 107) }
```

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

```
.background{ background-color: rgb(159,  
176, 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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