

Converting Colors

CIELCh(69, 39.644, 120.849)

Have a look what the booklet for
CIELCh(69, 39.644, 120.849)
contains.

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Color

CIELCh(69, 39.721, 120.842)

Conversions

Conversions Part 1

Format	Color
Hex	99B169
RGB	153, 177, 105
RGB Percent	60%, 69%, 41%
CMY	0.3992, 0.3050, 0.5875
CMYK	0.14, 0.00, 0.41, 0.31
HSL	80°, 32%, 55%
HSV	80°, 41%, 69%
XYZ	31.5003, 39.3444, 19.3519
YIQ	161.6160, 8.8080, -27.4800

Conversions

Conversions Part 2

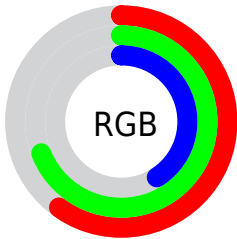
Format	Color
RYB	105, 177, 129
Decimal	10072425
CIELab	69.00, -20.36, 34.10
CIELCh	69, 39.721, 120.842
Yxy	39.3444, 0.3492, 0.4362
Android (android.graphics.Color)	4288262505 (0xFF99B169)
YUV	161.6160, -27.9117, -7.5562
Hunter-Lab	62.7251, -20.1269, 25.6155

Details

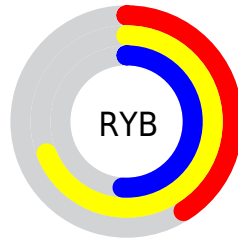
The CIELCh color $69, 39.721, 120.842$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $50, 43.055, 305.758$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 40.031, 121.062$, and $49, 39.431, 120.467$ is the 20% darker color. If you saturate the color by 10%, you get $68, 48.896, 120.370$, and if you desaturate by 10%, it is $70, 30.172, 121.377$.

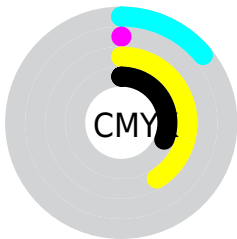
Distribution



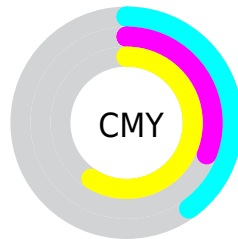
- Red (60%)
- Green (69%)
- Blue (41%)



- Red (41%)
- Yellow (69%)
- Blue (51%)



- Cyan (14%)
- Magenta (0%)
- Yellow (41%)
- Black (31%)





- Cyan (40%)
- Magenta (31%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 39.721, 120.842 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, 39.721, 120.842 by changing the saturation by 10% instead.

 69, 39.721,
120.842

 69, 39.721,
120.842


 100, 39.721,
120.842


 59, 39.721,
120.842


 89, 39.721,
120.842

 49, 39.721,
120.842

 99, 39.721,
120.842

 39, 39.721,
120.842

 29, 39.721,
120.842

 19, 39.721,
120.842

 9, 39.721, 120.842

 0, 39.721, 120.842

69, 39.721,
120.842

69, 39.721,
120.842

68, 48.896,
120.370

70, 30.172,
121.377

68, 57.458,
120.013

70, 20.405,
121.932

67, 65.073,
119.853

71, 10.530,
122.486

67, 71.324,
119.997

72, 0.622, 123.103

73, 9.266, 303.517

66, 75.808,
120.554

74, 19.099,
303.996

66, 78.579,
121.404

75, 28.848,
304.440

76, 38.494,
304.850

■ 77, 43.022,
306.414

Harmonies

Complementary

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



69, 39.721, 120.842



50, 43.055, 305.758

Rectangle

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



69, 39.721, 120.842



69, 39.721, 170.842



69, 39.721, 300.842



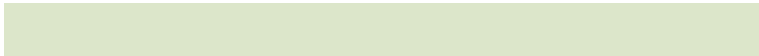
69, 39.721, 350.842

Sweetspot

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



69, 39.722, 120.844



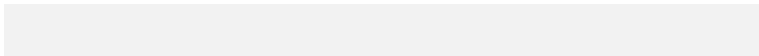
90, 14.658, 122.400



58, 25.462, 52.839



47, 9.712, 122.330



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, 39.722, 120.844



86, 58.454, 120.405



67, 45.564, 137.446



37, 5.639, 122.558



58, 70.427, 121.228



8, 13.964, 126.971

Inverse Universe

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



50, 43.055, 305.758



57, 64.801, 306.513



53, 46.176, 321.589



35, 5.739, 303.559



20, 88.007, 308.928



1, 13.555, 300.190

Previews

White Background



This preview shows how the CIELCh color 69, 39.721, 120.842 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, 39.721, 120.842 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, 39.721, 120.842

Background



This preview shows how black text looks on a background with the CIELCh color 69, 39.721, 120.842.



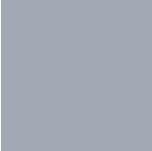
This preview shows how white text looks on a background with the CIELCh color 69, 39.721, 120.842.

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, 7.337, 276.588

Trichromacy



Original Color
69, 39.721, 120.842

Protanomaly
69, 36.487, 105.073

Deuteranomaly
69, 32.810, 93.996

Tritanomaly
69, 10.925, 134.241

Monochromacy



Original Color
69, 39.721, 120.842

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 15.227, 122.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 39.721, 120.842 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(153, 177, 105)` looks like.

```
.text, #text, p{  
    color:rgb(153, 177, 105)  
}
```

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(153, 177, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 177, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 39.721, 120.842 is called "border". The border property can be set on classes, ids or directly on the HTML element.

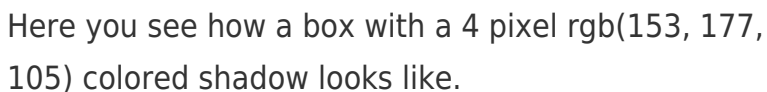
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 177, 105) }
```

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

```
.border{ border-color:rgb(153, 177, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 177, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 177, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 177, 105); box-shadow:4px 4px 4px 4px rgb(153, 177, 105) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 39.721, 120.842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 177, 105) }
```

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

```
.background{ background-color: rgb(153,  
177, 105) }
```

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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