

Converting Colors

CIELCh(69, 46.170, 102.064)

Have a look what the booklet for
CIELCh(69, 46.170, 102.064)
contains.

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Color

CIELCh(69, 46.073, 101.619)

Conversions

Conversions Part 1

Format	Color
Hex	B2AB54
RGB	178, 171, 84
RGB Percent	70%, 67%, 33%
CMY	0.3011, 0.3285, 0.6698
CMYK	0.00, 0.04, 0.53, 0.30
HSL	56°, 38%, 51%
HSV	56°, 53%, 70%
XYZ	34.6257, 39.3444, 14.1996
YIQ	163.1750, 32.0990, -25.5730

Conversions

Conversions Part 2

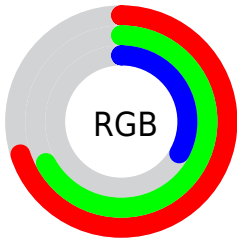
Format	Color
RYB	92, 178, 84
Decimal	11709268
CIELab	69.00, -9.28, 45.13
CIElCh	69, 46.073, 101.619
Yxy	39.3444, 0.3927, 0.4462
Android (android.graphics.Color)	4289899348 (0xFFB2AB54)
YUV	163.1750, -39.0333, 13.0015
Hunter-Lab	62.7251, -11.2329, 30.4856

Details

The CIELCh color **69, 46.073, 101.619** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **42, 52.300, 295.143**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 45.949, 101.764**, and **49, 46.213, 101.621** is the 20% darker color. If you saturate the color by 10%, you get **68, 53.727, 100.669**, and if you desaturate by 10%, it is **70, 37.803, 102.623**.

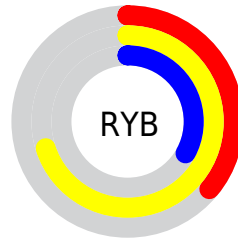
Distribution



Red (70%)

Green (67%)

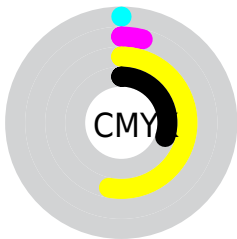
Blue (33%)



Red (36%)

Yellow (70%)

Blue (33%)

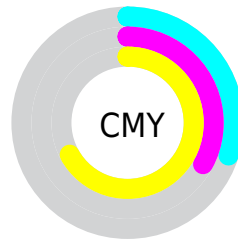


Cyan (0%)

Magenta (4%)

Yellow (53%)

Black (30%)



Cyan (30%)

Magenta (33%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 46.073, 101.619 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, 46.073, 101.619 by changing the saturation by 10% instead.

 69, 46.073,
101.619

 69, 46.073,
101.619

 100, 46.073,
101.619


 59, 46.073,
101.619

 89, 46.073,
101.619

 49, 46.073,
101.619

 99, 46.073,
101.619

 39, 46.073,
101.619

 29, 46.073,
101.619

 19, 46.073,
101.619

 9, 46.073, 101.619

 0, 46.073, 101.619

69, 46.073,
101.619

69, 46.073,
101.619

68, 53.727,
100.669

70, 37.803,
102.623

68, 60.388, 99.789

70, 29.171,
103.650

68, 65.574, 99.004

71, 20.340,
104.685

67, 68.825, 98.324

67, 70.219, 97.880

72, 11.415,
105.713

72, 2.456, 106.698

73, 6.496, 287.733

74, 15.417,
288.679

75, 24.292,
289.592

■ 76, 33.109,
290.465

Harmonies

Complementary

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



69, 46.073, 101.619



42, 52.300, 295.143

Rectangle

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



69, 46.073, 101.619



69, 46.073, 151.619



69, 46.073, 281.619



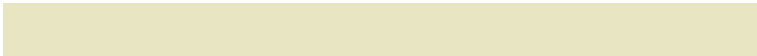
69, 46.073, 331.619

Sweetspot

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



69, 46.074, 101.622



90, 17.746, 105.352



48, 41.341, 19.544



48, 12.075, 105.144



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



69, 46.074, 101.622



87, 66.619, 100.547



68, 51.997, 123.596



37, 5.075, 106.060



58, 62.782, 97.944



8, 11.860, 105.238

Inverse Universe

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



42, 52.300, 295.143



47, 79.055, 297.770



44, 57.159, 309.207



35, 5.170, 288.015



18, 87.761, 305.164



1, 12.555, 287.773

Previews

White Background



This preview shows how the CIELCh color 69, 46.073, 101.619 looks on a white background.

Color Contrast Check

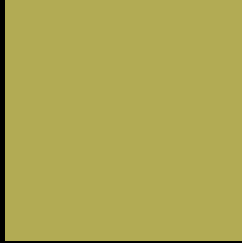
Large Text (above 18pt) WCAG AA × Fail

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, 46.073, 101.619 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, 46.073, 101.619

Background



This preview shows how black text looks on a background with the CIELCh color 69, 46.073, 101.619.



This preview shows how white text looks on a background with the CIELCh color 69, 46.073, 101.619.

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, 46.073, 101.619

Protanopia
69, 46.230, 96.102

Deuteranopia
69, 45.157, 78.293



Tritanopia
69, 12.192, 344.797

Trichromacy



Original Color
69, 46.073, 101.619

Protanomaly
69, 46.391, 98.328

Deuteranomaly
69, 44.545, 86.546

Tritanomaly
69, 15.277, 78.452

Monochromacy



Original Color
69, 46.073, 101.619

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 17.543, 104.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 46.073, 101.619 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(178, 171, 84)` looks like.

```
.text, #text, p{  
    color:rgb(178, 171, 84)  
}
```

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(178, 171, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 171, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 46.073, 101.619 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(178, 171, 84) }
```

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

```
.border{ border-color:rgb(178, 171, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 171, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 171, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 171, 84);  
box-shadow:4px 4px 4px 4px rgb(178, 171,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 46.073, 101.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 171, 84) }
```

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

```
.background{ background-color: rgb(178,  
171, 84) }
```

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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