

Converting Colors

CIELCh(69, 30.976, 98.346)

Have a look what the booklet for
CIELCh(69, 30.976, 98.346) contains.

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Color

CIELCh(69, 30.669, 98.285)

Conversions

Conversions Part 1

Format	Color
Hex	B4A971
RGB	180, 169, 113
RGB Percent	71%, 66%, 44%
CMY	0.2935, 0.3367, 0.5563
CMYK	0.00, 0.06, 0.37, 0.29
HSL	50°, 31%, 58%
HSV	50°, 37%, 71%
XYZ	36.0587, 39.3444, 21.3560
YIQ	165.9050, 24.5320, -15.0840

Conversions

Conversions Part 2

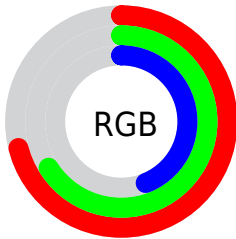
Format	Color
RYB	126, 180, 113
Decimal	11839857
CIELab	69.00, -4.42, 30.35
CIElCh	69, 30.669, 98.285
Yxy	39.3444, 0.3727, 0.4066
Android (android.graphics.Color)	4290029937 (0xFFB4A971)
YUV	165.9050, -26.0822, 12.3613
Hunter-Lab	62.7251, -7.1549, 23.7211

Details

The CIELCh color **69, 30.669, 98.285** is a light color, and the websafe version is hex **999966**. A complement of this color would be **53, 32.449, 287.843**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 30.852, 98.035**, and **49, 30.639, 98.210** is the 20% darker color. If you saturate the color by 10%, you get **68, 38.729, 97.125**, and if you desaturate by 10%, it is **70, 22.453, 99.443**.

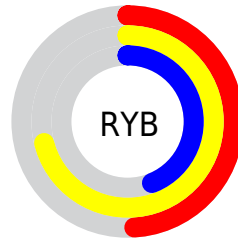
Distribution



Red (71%)

Green (66%)

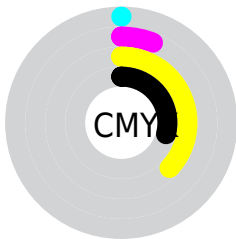
Blue (44%)



Red (49%)

Yellow (71%)

Blue (44%)

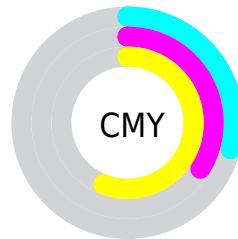


Cyan (0%)

Magenta (6%)

Yellow (37%)

Black (29%)



Cyan (29%)

Magenta (34%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 30.669, 98.285 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, 30.669, 98.285 by changing the saturation by 10% instead.

69, 30.669, 98.285

69, 30.669, 98.285

100, 30.669,
98.285

59, 30.669, 98.285

89, 30.669, 98.285

49, 30.669, 98.285

99, 30.669, 98.285

39, 30.669, 98.285

29, 30.669, 98.285

19, 30.669, 98.285

9, 30.669, 98.285

0, 30.669, 98.285

69, 30.669, 98.285

69, 30.669, 98.285

68, 38.729, 97.125

70, 22.453, 99.443

67, 46.453, 95.961

71, 14.182,
100.576

66, 53.555, 94.803

72, 5.917, 101.674

65, 59.602, 93.650

74, 2.308, 282.827

64, 64.035, 92.488

75, 10.473,
283.822

63, 66.458, 91.281

63, 67.007, 90.943

76, 18.568,
284.811

78, 26.589,
285.758

79, 33.349,
286.288

80, 31.809,
284.092

Harmonies

Complementary

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



69, 30.669, 98.285



53, 32.449, 287.843

Rectangle

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



69, 30.669, 98.285



69, 30.669, 148.285



69, 30.669, 278.285



69, 30.669, 328.285

Sweetspot

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



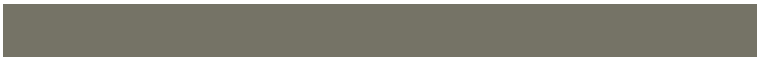
69, 30.670, 98.289



91, 11.225, 101.242



55, 28.396, 10.178



48, 7.539, 101.097



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, 30.670, 98.289



86, 45.812, 97.292



70, 36.960, 121.020



37, 4.625, 101.446



54, 59.467, 91.115



7, 10.375, 98.176

Inverse Universe

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



53, 32.449, 287.843



63, 49.395, 289.574



52, 39.746, 305.488



35, 4.688, 283.558



20, 81.914, 303.173



1, 11.671, 284.471

Previews

White Background



This preview shows how the CIELCh color 69, 30.669, 98.285 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, 30.669, 98.285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

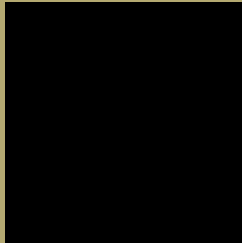
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 30.669, 98.285

Background



This preview shows how black text looks on a background with the CIELCh color 69, 30.669, 98.285.



This preview shows how white text looks on a background with the CIELCh color 69, 30.669, 98.285.

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, 30.669, 98.285

Protanopia

69, 30.509, 95.007

Deuteranopia

69, 30.789, 73.575



Tritanopia
69, 11.565, 345.859

Trichromacy



Original Color
69, 30.669, 98.285

Protanomaly
69, 30.416, 95.794

Deuteranomaly
69, 30.109, 82.949

Tritanomaly
69, 10.692, 61.369

Monochromacy



Original Color
69, 30.669, 98.285

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 11.055, 100.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 30.669, 98.285 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(180, 169, 113)` looks like.

```
.text, #text, p{  
    color:rgb(180, 169, 113)  
}
```

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(180, 169, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 169, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 30.669, 98.285 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(180, 169, 113) }
```

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

```
.border{ border-color:rgb(180, 169, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 169, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 169, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 169, 113);  
box-shadow:4px 4px 4px 4px rgb(180, 169,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 30.669, 98.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 169, 113) }
```

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

```
.background{ background-color: rgb(180,  
169, 113) }
```

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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