

Converting Colors

CIELCh(69, 30.305, 106.903)

Have a look what the booklet for
CIELCh(69, 30.305, 106.903)
contains.

CIELCh(69, 30.733, 107.026)	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, 30.733, 107.026)

Conversions

Conversions Part 1

Format	Color
Hex	ACAC73
RGB	172, 172, 115
RGB Percent	67%, 67%, 45%
CMY	0.3268, 0.3268, 0.5502
CMYK	0.00, 0.00, 0.33, 0.33
HSL	60°, 25%, 56%
HSV	60°, 33%, 67%
XYZ	34.7073, 39.3444, 21.8913
YIQ	165.5020, 18.2970, -17.7270

Conversions

Conversions Part 2

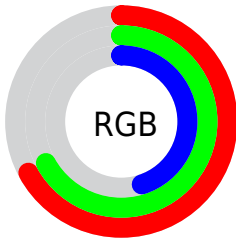
Format	Color
RYB	115, 172, 115
Decimal	11316339
CIELab	69.00, -9.00, 29.39
CIElCh	69, 30.733, 107.026
Yxy	39.3444, 0.3617, 0.4101
Android (android.graphics.Color)	4289506419 (0xFFACAC73)
YUV	165.5020, -24.8975, 5.6987
Hunter-Lab	62.7251, -11.0006, 23.2151

Details

The CIELCh color $69, 30.733, 107.026$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $50, 33.321, 294.309$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 30.345, 106.917$, and $49, 30.759, 106.921$ is the 20% darker color. If you saturate the color by 10%, you get $69, 39.587, 106.111$, and if you desaturate by 10%, it is $69, 21.613, 107.976$.

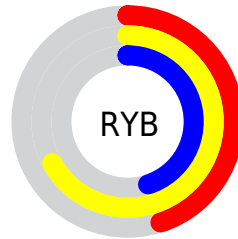
Distribution



Red (67%)

Green (67%)

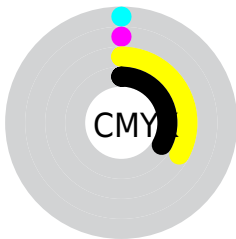
Blue (45%)



Red (45%)

Yellow (67%)

Blue (45%)

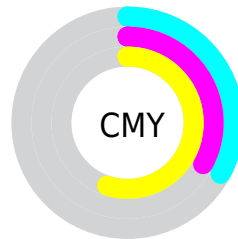


Cyan (0%)

Magenta (0%)

Yellow (33%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 30.733, 107.026 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, 30.733, 107.026 by changing the saturation by 10% instead.


 69, 30.733,
107.026


 69, 30.733,
107.026


 100, 30.733,
107.026


 59, 30.733,
107.026


 89, 30.733,
107.026

 49, 30.733,
107.026

 99, 30.733,
107.026

 39, 30.733,
107.026

 29, 30.733,
107.026

 19, 30.733,
107.026

 9, 30.733, 107.026

 0, 30.733, 107.026

69, 30.733,
107.026

69, 30.733,
107.026

69, 39.587,
106.111

69, 21.613,
107.976

69, 47.992,
105.246

70, 12.338,
108.930

68, 55.684,
104.465

70, 2.986, 109.866

68, 62.295,
103.807

71, 6.395, 290.826

68, 67.393,
103.308

71, 15.772,
291.727

68, 70.619,
102.998

72, 25.121,
292.598

68, 72.043,
102.863

72, 34.428,
293.432

73, 43.678,
294.225

■ 73, 45.269,
294.359

Harmonies

Complementary

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



69, 30.733, 107.026



50, 33.321, 294.309

Rectangle

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



69, 30.733, 107.026



69, 30.733, 157.026



69, 30.733, 287.026



69, 30.733, 337.026

Sweetspot

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



69, 30.734, 107.029



89, 11.634, 109.216



54, 24.310, 22.253



47, 7.926, 109.088



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



69, 30.734, 107.029



88, 45.718, 106.334



67, 33.032, 127.541



37, 5.341, 109.299



60, 65.376, 102.863



7, 11.345, 110.187

Inverse Universe

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



50, 33.321, 294.309



60, 50.730, 295.582



53, 34.592, 310.675



33, 5.457, 291.133



17, 90.271, 306.288



1, 11.347, 290.183

Previews

White Background



This preview shows how the CIELCh color 69, 30.733, 107.026 looks on a white background.

Color Contrast Check

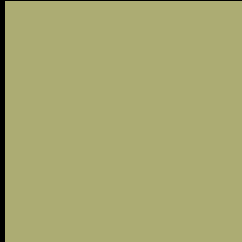
Large Text (above 18pt) WCAG AA × Fail

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, 30.733, 107.026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

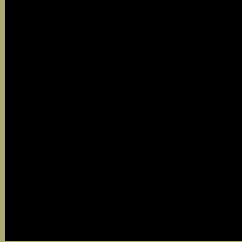
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

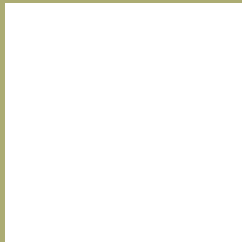
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 30.733, 107.026

Background



This preview shows how black text looks on a background with the CIELCh color 69, 30.733, 107.026.



This preview shows how white text looks on a background with the CIELCh color 69, 30.733, 107.026.

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, 30.733, 107.026

Protanopia
69, 30.416, 95.794

Deuteranopia
69, 29.865, 72.612



Tritanopia
69, 9.128, 328.765

Trichromacy



Original Color
69, 30.733, 107.026

Protanomaly
69, 30.019, 99.805

Deuteranomaly
69, 28.852, 85.712

Tritanomaly
69, 7.933, 82.980

Monochromacy



Original Color
69, 30.733, 107.026

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 10.953, 109.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 30.733, 107.026 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(172, 172, 115)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 115)  
}
```

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(172, 172, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 30.733, 107.026 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(172, 172, 115) }
```

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

```
.border{ border-color:rgb(172, 172, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 172, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 115);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 30.733, 107.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 172, 115) }
```

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

```
.background{ background-color: rgb(172,  
172, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor