

Converting Colors

CIELCh(69, 33.442, 106.768)

Have a look what the booklet for
CIELCh(69, 33.442, 106.768)
contains.

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Color

CIELCh(69, 33.345, 106.755)

Conversions

Conversions Part 1

Format	Color
Hex	ACAC6E
RGB	172, 172, 110
RGB Percent	67%, 67%, 43%
CMY	0.3259, 0.3259, 0.5690
CMYK	0.00, 0.00, 0.36, 0.33
HSL	60°, 27%, 55%
HSV	60°, 36%, 67%
XYZ	34.5288, 39.3444, 20.4964
YIQ	164.9320, 19.9020, -19.2820

Conversions

Conversions Part 2

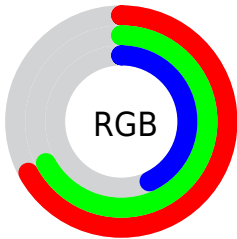
Format	Color
RYB	110, 172, 110
Decimal	11316334
CIELab	69.00, -9.61, 31.93
CIELCh	69, 33.345, 106.755
Yxy	39.3444, 0.3659, 0.4169
Android (android.graphics.Color)	4289506414 (0xFFACAC6E)
YUV	164.9320, -27.0815, 6.1986
Hunter-Lab	62.7251, -11.5087, 24.5336

Details

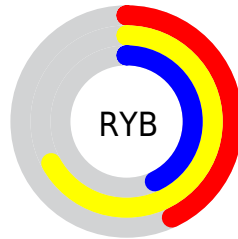
The CIELCh color **69, 33.345, 106.755** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **49, 36.464, 294.777**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 33.375, 106.724**, and **49, 33.417, 106.503** is the 20% darker color. If you saturate the color by 10%, you get **69, 42.101, 105.852**, and if you desaturate by 10%, it is **69, 24.278, 107.699**.

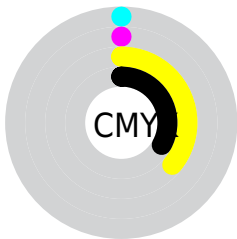
Distribution



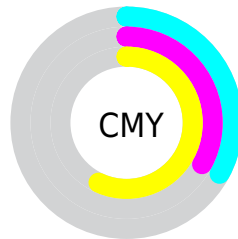
- Red (67%)
- Green (67%)
- Blue (43%)



- Red (43%)
- Yellow (67%)
- Blue (43%)



- Cyan (0%)
- Magenta (0%)
- Yellow (36%)
- Black (33%)





- Cyan (33%)
- Magenta (33%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 33.345, 106.755 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, 33.345, 106.755 by changing the saturation by 10% instead.


 69, 33.345,
106.755


 69, 33.345,
106.755


 100, 33.345,
106.755


 59, 33.345,
106.755


 89, 33.345,
106.755

 49, 33.345,
106.755

 99, 33.345,
106.755

 39, 33.345,
106.755

 29, 33.345,
106.755

 19, 33.345,
106.755

 9, 33.345, 106.755

 0, 33.345, 106.755

■ 69, 33.345,
106.755

■ 69, 33.345,
106.755

■ 69, 42.101,
105.852

■ 69, 24.278,
107.699

■ 69, 50.341,
105.008

■ 70, 15.029,
108.653

■ 68, 57.771,
104.258

■ 70, 5.684, 109.601

■ 68, 63.997,
103.642

■ 70, 3.703, 290.565

■ 68, 68.588,
103.195

■ 71, 13.093,
291.468

■ 68, 71.286,
102.937

■ 72, 22.462,
292.349

■ 68, 72.110,
102.859

■ 72, 31.791,
293.194

■ 73, 41.068,
294.000

■ 73, 45.143,
294.343

Harmonies

Complementary

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



69, 33.345, 106.755



49, 36.464, 294.777

Rectangle

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



69, 33.345, 106.755



69, 33.345, 156.755



69, 33.345, 286.755



69, 33.345, 336.755

Sweetspot

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



69, 33.346, 106.758



89, 12.796, 109.117



53, 26.711, 22.640



47, 8.584, 108.993



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, 33.346, 106.758



87, 48.965, 106.056



67, 35.874, 127.404



37, 5.341, 109.296



60, 65.376, 102.859



7, 11.345, 110.183

Inverse Universe

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



49, 36.464, 294.777



57, 54.888, 296.136



52, 37.735, 310.829



33, 5.457, 291.130



17, 90.271, 306.288



1, 11.347, 290.181

Previews

White Background



This preview shows how the CIELCh color 69, 33.345, 106.755 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, 33.345, 106.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

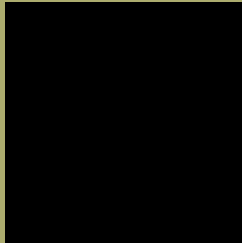
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 33.345, 106.755

Background



This preview shows how black text looks on a background with the CIELCh color 69, 33.345, 106.755.



This preview shows how white text looks on a background with the CIELCh color 69, 33.345, 106.755.

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, 33.345, 106.755

Protanopia
69, 33.099, 95.605

Deuteranopia
69, 32.442, 74.267



Tritanopia
69, 9.365, 330.605

Trichromacy



Original Color
69, 33.345, 106.755

Protanomaly
69, 32.690, 99.321

Deuteranomaly
69, 31.539, 86.360

Tritanomaly
69, 8.605, 82.137

Monochromacy



Original Color
69, 33.345, 106.755

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 12.577, 108.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 33.345, 106.755 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(172, 172, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 172, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 33.345, 106.755 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, 110) }
```

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

```
.border{ border-color:rgb(172, 172, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 172, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 172, 110);  
box-shadow:4px 4px 4px 4px rgb(172, 172,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 33.345, 106.755 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, 110) }
```

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

```
.background{ background-color: rgb(172,  
172, 110) }
```

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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