

Converting Colors

CIELCh(68, 29.942, 106.340)

Have a look what the booklet for
CIELCh(68, 29.942, 106.340)
contains.

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Color

CIELCh(68, 30.295, 106.235)

Conversions

Conversions Part 1

Format	Color
Hex	AAA971
RGB	170, 169, 113
RGB Percent	67%, 66%, 44%
CMY	0.3345, 0.3383, 0.5579
CMYK	0.00, 0.01, 0.34, 0.33
HSL	59°, 25%, 55%
HSV	59°, 34%, 67%
XYZ	33.6172, 37.9720, 21.1022
YIQ	162.9150, 18.5720, -17.2040

Conversions

Conversions Part 2

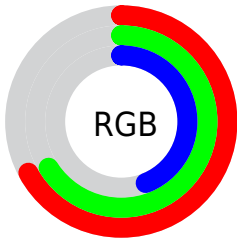
Format	Color
RYB	114, 170, 113
Decimal	11184497
CIELab	68.00, -8.47, 29.09
CIELCh	68, 30.295, 106.235
Yxy	37.9720, 0.3627, 0.4097
Android (android.graphics.Color)	4289374577 (0xFFAAA971)
YUV	162.9150, -24.6081, 6.2135
Hunter-Lab	61.6215, -10.4579, 22.8312

Details

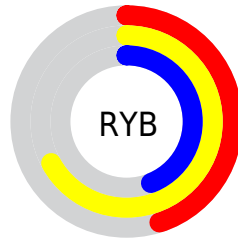
The CIELCh color **68, 30.295, 106.235** is a light color, and the websafe version is hex **999966**. A complement of this color would be **50, 32.789, 293.707**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 30.421, 106.145**, and **48, 30.317, 106.052** is the 20% darker color. If you saturate the color by 10%, you get **68, 38.940, 105.298**, and if you desaturate by 10%, it is **68, 21.399, 107.203**.

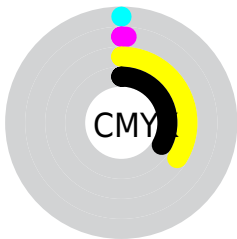
Distribution



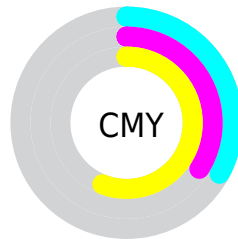
- Red (67%)
- Green (66%)
- Blue (44%)



- Red (45%)
- Yellow (67%)
- Blue (44%)



- Cyan (0%)
- Magenta (1%)
- Yellow (34%)
- Black (33%)





- Cyan (33%)
- Magenta (34%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 30.295, 106.235 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 68, 30.295, 106.235 by changing the saturation by 10% instead.


 68, 30.295,
106.235

 68, 30.295,
106.235


 100, 30.295,
106.235


 58, 30.295,
106.235


 88, 30.295,
106.235

 48, 30.295,
106.235

 98, 30.295,
106.235

 38, 30.295,
106.235

 28, 30.295,
106.235

 18, 30.295,
106.235

 8, 30.295, 106.235

 0, 30.295, 106.235

■ 68, 30.295,
106.235

■ 68, 30.295,
106.235

■ 68, 38.940,
105.298

■ 68, 21.399,
107.203

■ 67, 47.153,
104.406

■ 69, 12.360,
108.173

■ 67, 54.674,
103.591

■ 69, 3.252, 109.122

■ 67, 61.136,
102.888

■ 70, 5.877, 290.096

■ 67, 66.102,
102.332

■ 70, 14.998,
291.007

■ 67, 69.203,
101.947

■ 71, 24.089,
291.887

■ 67, 70.521,
101.761

■ 72, 33.136,
292.731

■ 73, 42.126,
293.534

■ 73, 45.442,
293.748

Harmonies

Complementary

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



68, 30.295, 106.235



50, 32.789, 293.707

Rectangle

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



68, 30.295, 106.235



68, 30.295, 156.235



68, 30.295, 286.235



68, 30.295, 336.235

Sweetspot

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



68, 30.296, 106.238



88, 11.330, 108.499



53, 24.251, 19.780



47, 7.791, 108.368



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 30.296, 106.238



86, 44.596, 105.562



66, 32.816, 126.320



36, 5.121, 108.586



59, 63.749, 101.773



6, 9.322, 109.185

Inverse Universe

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



50, 32.789, 293.707



59, 49.314, 294.933



52, 34.511, 309.599



33, 5.229, 290.437



16, 88.265, 306.013



1, 9.415, 289.580

Previews

White Background



This preview shows how the CIELCh color 68, 30.295, 106.235 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 68, 30.295, 106.235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

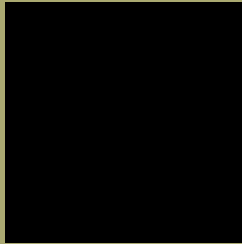
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 30.295, 106.235

Background



This preview shows how black text looks on a background with the CIELCh color 68, 30.295, 106.235.



This preview shows how white text looks on a background with the CIELCh color 68, 30.295, 106.235.

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
68, 30.295, 106.235

Protanopia
68, 30.391, 96.539

Deuteranopia
68, 29.681, 73.226



Tritanopia
68, 9.395, 330.614

Trichromacy



Original Color
68, 30.295, 106.235

Protanomaly
68, 30.078, 99.763

Deuteranomaly
68, 28.918, 85.659

Tritanomaly
68, 7.665, 78.568

Monochromacy



Original Color
68, 30.295, 106.235

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 10.977, 109.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 30.295, 106.235 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(170, 169, 113)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 169, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 169, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 30.295, 106.235 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(170, 169, 113) }
```

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

```
.border{ border-color:rgb(170, 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(170, 169, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 169, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 169, 113);  
box-shadow:4px 4px 4px 4px rgb(170, 169,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 30.295, 106.235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 169, 113) }
```

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

```
.background{ background-color: rgb(170,  
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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