

Converting Colors

CIELCh(67, 18.696, 115.760)

Have a look what the booklet for
CIELCh(67, 18.696, 115.760)
contains.

CIELCh(67, 18.237, 115.915)	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(67, 18.237, 115.915)

Conversions

Conversions Part 1

Format	Color
Hex	A0A685
RGB	160, 166, 133
RGB Percent	63%, 65%, 52%
CMY	0.3710, 0.3475, 0.4770
CMYK	0.04, 0.00, 0.20, 0.35
HSL	71°, 16%, 59%
HSV	71°, 20%, 65%
XYZ	32.5420, 36.6320, 27.6824
YIQ	160.4440, 7.0170, -11.5350

Conversions

Conversions Part 2

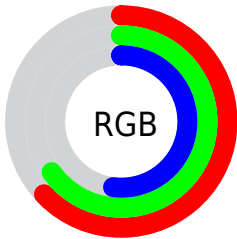
Format	Color
RYB	133, 166, 139
Decimal	10528389
CIELab	67.00, -7.97, 16.40
CIElCh	67, 18.237, 115.915
Yxy	36.6320, 0.3360, 0.3782
Android (android.graphics.Color)	4288718469 (0xFFA0A685)
YUV	160.4440, -13.5299, -0.3894
Hunter-Lab	60.5244, -9.9438, 15.2493

Details

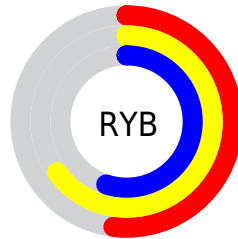
The CIELCh color $67, 18.237, 115.915$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $57, 19.028, 298.846$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 18.340, 115.754$, and $47, 18.313, 115.958$ is the 20% darker color. If you saturate the color by 10%, you get $66, 27.294, 115.219$, and if you desaturate by 10%, it is $68, 9.067, 116.619$.

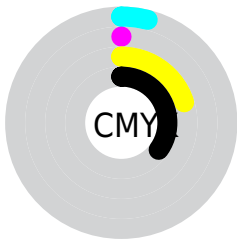
Distribution



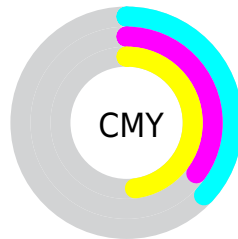
- Red (63%)
- Green (65%)
- Blue (52%)



- Red (52%)
- Yellow (65%)
- Blue (55%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (35%)





- Cyan (37%)
- Magenta (35%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 18.237, 115.915 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 67, 18.237, 115.915 by changing the saturation by 10% instead.


 67, 18.237,
115.915


 67, 18.237,
115.915


 100, 18.237,
115.915


 57, 18.237,
115.915


 87, 18.237,
115.915

 47, 18.237,
115.915

 97, 18.237,
115.915

 37, 18.237,
115.915

 27, 18.237,
115.915

 17, 18.237,
115.915

 7, 18.237, 115.915

 0, 18.237, 115.915

67, 18.237,
115.915

67, 18.237,
115.915

66, 27.294,
115.219

68, 9.067, 116.619

66, 36.138,
114.541

68, 0.154, 297.277

69, 9.381, 297.964

65, 44.623,
113.917

70, 18.582,
298.595

65, 52.533,
113.392

71, 27.732,
299.192

65, 59.556,
113.029

71, 36.816,
299.753

64, 65.295,
112.907

72, 45.820,
300.279

64, 69.355,
113.111

73, 48.648,
301.194

64, 71.886,

113.613

■ 73, 48.750,
302.300

■ 64, 71.924,
113.621

Harmonies

Complementary

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



67, 18.237, 115.915



57, 19.028, 298.846

Rectangle

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



67, 18.237, 115.915



67, 18.237, 165.915



67, 18.237, 295.915



67, 18.237, 345.915

Sweetspot

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



67, 18.239, 115.919



86, 6.854, 116.877



60, 11.687, 35.691



46, 4.583, 116.834



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



67, 18.239, 115.919



85, 27.303, 115.596



66, 20.190, 133.804



35, 5.262, 116.657



57, 65.938, 113.524



6, 9.706, 119.504

Inverse Universe

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



57, 19.028, 298.846



70, 28.791, 299.273



59, 20.529, 315.490



33, 5.370, 297.965



17, 87.853, 307.225



1, 9.628, 296.310

Previews

White Background



This preview shows how the CIELCh color 67, 18.237, 115.915 looks on a white background.

Color Contrast Check

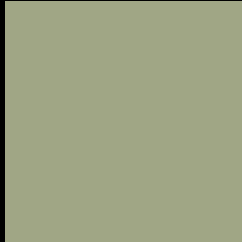
Large Text (above 18pt) WCAG AA × Fail

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 67, 18.237, 115.915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

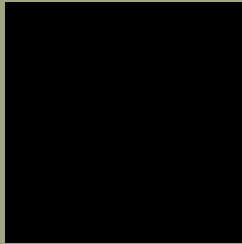
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

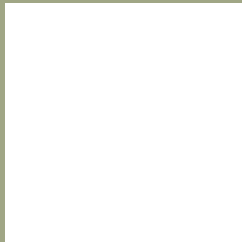
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 18.237, 115.915

Background



This preview shows how black text looks on a background with the CIELCh color 67, 18.237, 115.915.



This preview shows how white text looks on a background with the CIELCh color 67, 18.237, 115.915.

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
67, 18.237, 115.915

Protanopia
67, 17.500, 94.826

Deuteranopia
67, 17.762, 62.754



Tritanopia
67, 7.454, 305.307

Trichromacy



Original Color
67, 18.237, 115.915

Protanomaly
67, 17.070, 102.910

Deuteranomaly
67, 16.146, 81.404

Tritanomaly
67, 2.226, 100.008

Monochromacy



Original Color
67, 18.237, 115.915

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 6.660, 116.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 18.237, 115.915 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(160, 166, 133)` looks like.

```
.text, #text, p{  
    color:rgb(160, 166, 133)  
}
```

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(160, 166, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 166, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 18.237, 115.915 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(160, 166, 133) }
```

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

```
.border{ border-color:rgb(160, 166, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 166, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 166, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 166, 133);  
box-shadow:4px 4px 4px 4px rgb(160, 166,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 18.237, 115.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 166, 133) }
```

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

```
.background{ background-color: rgb(160,  
166, 133) }
```

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