

Converting Colors

CIELCh(67, 32.537, 126.961)

Have a look what the booklet for
CIELCh(67, 32.537, 126.961)
contains.

CIELCh(67, 32.811, 126.595)	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, 32.811, 126.595)

Conversions

Conversions Part 1

Format	Color
Hex	91AC73
RGB	145, 172, 115
RGB Percent	57%, 67%, 45%
CMY	0.4324, 0.3265, 0.5500
CMYK	0.16, 0.00, 0.33, 0.33
HSL	88°, 25%, 56%
HSV	88°, 33%, 67%
XYZ	29.4132, 36.6320, 21.6650
YIQ	157.4290, 2.2050, -23.4510

Conversions

Conversions Part 2

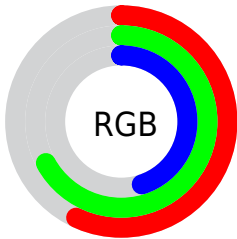
Format	Color
RYB	115, 172, 142
Decimal	9546867
CIELab	67.00, -19.56, 26.34
CIELCh	67, 32.811, 126.595
Yxy	36.6320, 0.3353, 0.4176
Android (android.graphics.Color)	4287736947 (0xFF91AC73)
YUV	157.4290, -20.9175, -10.9002
Hunter-Lab	60.5244, -19.1715, 21.1439

Details

The CIELCh color $67, 32.811, 126.595$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $53, 34.460, 309.812$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 32.689, 126.031$, and $47, 33.012, 126.392$ is the 20% darker color. If you saturate the color by 10%, you get $66, 42.402, 126.130$, and if you desaturate by 10%, it is $68, 22.999, 127.082$.

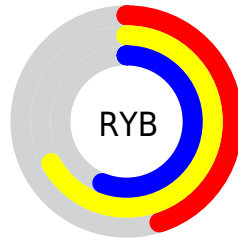
Distribution



Red (57%)

Green (67%)

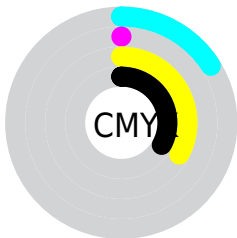
Blue (45%)



Red (45%)

Yellow (67%)

Blue (56%)

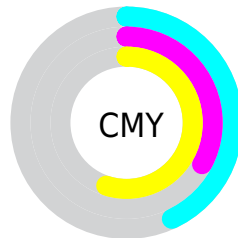


Cyan (16%)

Magenta (0%)

Yellow (33%)

Black (33%)



Cyan (43%)


Magenta (33%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 32.811, 126.595 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, 32.811, 126.595 by changing the saturation by 10% instead.

 67, 32.811,
126.595


 67, 32.811,
126.595


 100, 32.811,
126.595


 57, 32.811,
126.595


 87, 32.811,
126.595

 47, 32.811,
126.595

 97, 32.811,
126.595

 37, 32.811,
126.595

 27, 32.811,
126.595

 17, 32.811,
126.595

 7, 32.811, 126.595

 0, 32.811, 126.595

67, 32.811,
126.595

67, 32.811,
126.595

66, 42.402,
126.130

68, 22.999,
127.082

65, 51.592,
125.724

69, 13.082,
127.562

65, 60.129,
125.445

70, 3.146, 128.040

64, 67.668,
125.387

71, 6.748, 308.418

64, 73.793,
125.669

72, 16.558,
308.816

63, 78.143,
126.403

73, 26.253,
309.173

63, 80.362,
127.061

75, 35.812,
309.495

76, 45.221,
309.784

■ 77, 47.345,
312.496

Harmonies

Complementary

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



67, 32.811, 126.595



53, 34.460, 309.812

Rectangle

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



67, 32.811, 126.595



67, 32.811, 176.595



67, 32.811, 306.595



67, 32.811, 356.595

Sweetspot

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



67, 32.813, 126.597



88, 12.330, 127.703



61, 19.967, 67.850



46, 8.404, 127.639



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



67, 32.813, 126.597



85, 48.928, 126.241



65, 37.984, 141.329



36, 5.659, 127.744



56, 72.787, 126.884



6, 12.230, 131.356

Inverse Universe

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



53, 34.460, 309.812



63, 52.039, 310.240



56, 38.041, 325.243



34, 5.739, 308.558



22, 84.503, 311.498



1, 11.781, 305.029

Previews

White Background



This preview shows how the CIELCh color 67, 32.811, 126.595 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, 32.811, 126.595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

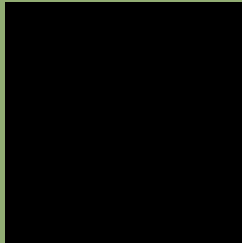
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 32.811, 126.595

Background



This preview shows how black text looks on a background with the CIELCh color 67, 32.811, 126.595.

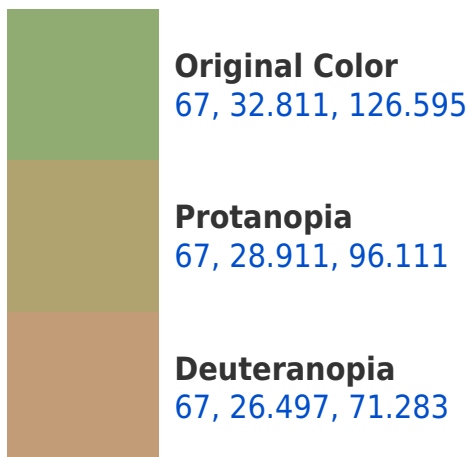


This preview shows how white text looks on a background with the CIELCh color 67, 32.811, 126.595.

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





Tritanopia
67, 7.966, 263.934

Trichromacy



Original Color
67, 32.811, 126.595

Protanomaly
67, 29.327, 107.913

Deuteranomaly
67, 25.251, 94.997

Tritanomaly
67, 9.471, 149.516

Monochromacy



Original Color
67, 32.811, 126.595

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 11.620, 126.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 32.811, 126.595 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(145, 172, 115)` looks like.

```
.text, #text, p{  
    color:rgb(145, 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(145, 172, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 172, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 32.811, 126.595 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(145, 172, 115) }
```

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

```
.border{ border-color:rgb(145, 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(145, 172, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 172, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 172, 115);  
box-shadow:4px 4px 4px 4px rgb(145, 172,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 32.811, 126.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 172, 115) }
```

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

```
.background{ background-color: rgb(145,  
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