

Converting Colors

CIELCh(67, 46.905, 116.126)

Have a look what the booklet for
CIELCh(67, 46.905, 116.126)
contains.

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Color

CIELCh(67, 47.336, 116.346)

Conversions

Conversions Part 1

Format	Color
Hex	97AC54
RGB	151, 172, 84
RGB Percent	59%, 67%, 33%
CMY	0.4086, 0.3262, 0.6713
CMYK	0.12, 0.00, 0.51, 0.33
HSL	74°, 35%, 50%
HSV	74°, 51%, 67%
XYZ	29.0373, 36.6320, 13.8917
YIQ	155.6890, 15.7320, -31.8200

Conversions

Conversions Part 2

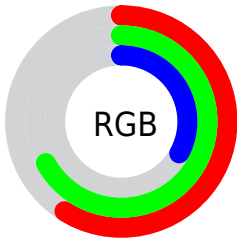
Format	Color
RYB	84, 172, 105
Decimal	9940052
CIELab	67.00, -21.01, 42.42
CIELCh	67, 47.336, 116.346
Yxy	36.6320, 0.3650, 0.4604
Android (android.graphics.Color)	4288130132 (0xFF97AC54)
YUV	155.6890, -35.3427, -4.1123
Hunter-Lab	60.5244, -20.2800, 28.7587

Details

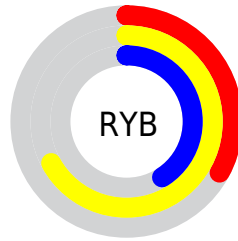
The CIELCh color **67, 47.336, 116.346** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **42, 53.440, 303.890**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 46.991, 116.110**, and **47, 47.416, 116.468** is the 20% darker color. If you saturate the color by 10%, you get **67, 55.441, 115.913**, and if you desaturate by 10%, it is **68, 38.608, 116.897**.

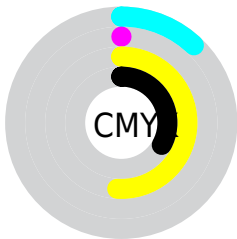
Distribution



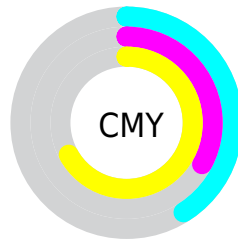
- Red (59%)
- Green (67%)
- Blue (33%)



- Red (33%)
- Yellow (67%)
- Blue (41%)



- Cyan (12%)
- Magenta (0%)
- Yellow (51%)
- Black (33%)



- Cyan (41%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 47.336, 116.346 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, 47.336, 116.346 by changing the saturation by 10% instead.

 67, 47.336,
116.346

 67, 47.336,
116.346

 100, 47.336,
116.346


 57, 47.336,
116.346


 87, 47.336,
116.346

 47, 47.336,
116.346

 97, 47.336,
116.346

 37, 47.336,
116.346

 27, 47.336,
116.346

 17, 47.336,
116.346

 7, 47.336, 116.346

 0, 47.336, 116.346

■ 67, 47.336,
116.346

■ 67, 47.336,
116.346

■ 67, 55.441,
115.913

■ 68, 38.608,
116.897

■ 66, 62.589,
115.665

■ 68, 29.490,
117.508

■ 66, 68.366,
115.697

■ 69, 20.142,
118.145

■ 65, 72.383,
116.103

■ 69, 10.670,
118.784

■ 65, 74.680,
116.720

■ 70, 1.146, 119.426

■ 71, 8.380, 300.003

■ 72, 17.874,
300.574

■ 73, 27.310,
301.111

■ 74, 36.667,
301.613

Harmonies

Complementary

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



67, 47.336, 116.346



42, 53.440, 303.890

Rectangle

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



67, 47.336, 116.346



67, 47.336, 166.346



67, 47.336, 296.346



67, 47.336, 346.346

Sweetspot

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



67, 47.337, 116.348



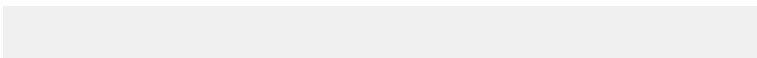
88, 17.728, 118.525



51, 33.817, 42.818



46, 12.074, 118.395



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, 47.337, 116.348



85, 68.498, 115.882



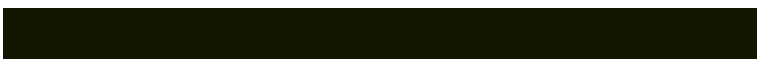
64, 53.723, 134.101



36, 5.429, 118.904



58, 67.683, 116.587



7, 11.648, 122.531

Inverse Universe

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



42, 53.440, 303.890



47, 80.043, 305.096



46, 55.380, 318.869



34, 5.536, 300.085



18, 88.296, 307.744



1, 11.469, 297.789

Previews

White Background



This preview shows how the CIELCh color 67, 47.336, 116.346 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, 47.336, 116.346 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, 47.336, 116.346

Background



This preview shows how black text looks on a background with the CIELCh color 67, 47.336, 116.346.



This preview shows how white text looks on a background with the CIELCh color 67, 47.336, 116.346.

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, 47.336, 116.346

Protanopia
67, 44.491, 95.739

Deuteranopia
67, 41.914, 78.214



Tritanopia
67, 7.190, 290.927

Trichromacy



Original Color
67, 47.336, 116.346

Protanomaly
67, 44.665, 103.777

Deuteranomaly
67, 41.423, 93.490

Tritanomaly
67, 13.568, 122.279

Monochromacy



Original Color
67, 47.336, 116.346

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 17.916, 118.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 47.336, 116.346 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(151, 172, 84)` looks like.

```
.text, #text, p{  
    color:rgb(151, 172, 84)  
}
```

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(151, 172, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 172, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 47.336, 116.346 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(151, 172, 84) }
```

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

```
.border{ border-color:rgb(151, 172, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 172, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 172, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 172, 84);  
box-shadow:4px 4px 4px 4px rgb(151, 172,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 47.336, 116.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 172, 84) }
```

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

```
.background{ background-color: rgb(151,  
172, 84) }
```

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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