

Converting Colors

CIELCh(67, 40.277, 128.504)

Have a look what the booklet for
CIELCh(67, 40.277, 128.504)
contains.

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Color

CIELCh(67, 40.129, 128.510)

Conversions

Conversions Part 1

Format	Color
Hex	89AE69
RGB	137, 174, 105
RGB Percent	54%, 68%, 41%
CMY	0.4626, 0.3175, 0.5881
CMYK	0.21, 0.00, 0.40, 0.32
HSL	92°, 30%, 55%
HSV	92°, 40%, 68%
XYZ	28.0201, 36.6320, 18.9696
YIQ	155.0710, 0.0970, -29.3030

Conversions

Conversions Part 2

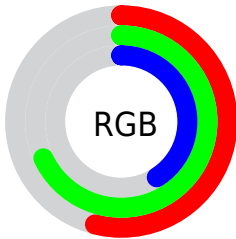
Format	Color
RYB	105, 174, 142
Decimal	9023081
CIELab	67.00, -24.99, 31.40
CIElCh	67, 40.129, 128.510
Yxy	36.6320, 0.3351, 0.4381
Android (android.graphics.Color)	4287213161 (0xFF89AE69)
YUV	155.0710, -24.6850, -15.8483
Hunter-Lab	60.5244, -23.2800, 23.7843

Details

The CIELCh color $67, 40.129, 128.510$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $51, 42.239, 312.189$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 40.441, 128.789$, and $47, 40.076, 128.573$ is the 20% darker color. If you saturate the color by 10%, you get $66, 49.769, 128.070$, and if you desaturate by 10%, it is $68, 30.159, 128.988$.

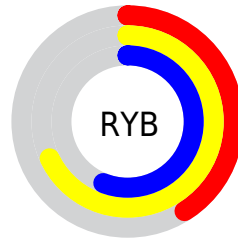
Distribution



Red (54%)

Green (68%)

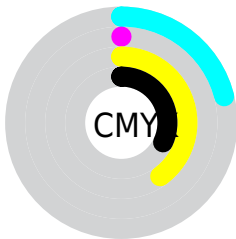
Blue (41%)



Red (41%)

Yellow (68%)

Blue (56%)

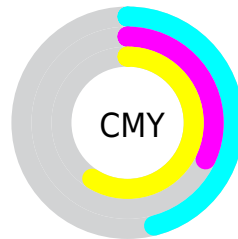


Cyan (21%)

Magenta (0%)

Yellow (40%)

Black (32%)



Cyan (46%)


Magenta (32%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 40.129, 128.510 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, 40.129, 128.510 by changing the saturation by 10% instead.


 67, 40.129,
128.510


 67, 40.129,
128.510


 100, 40.129,
128.510


 57, 40.129,
128.510


 87, 40.129,
128.510

 47, 40.129,
128.510

 97, 40.129,
128.510

 37, 40.129,
128.510

 27, 40.129,
128.510

 17, 40.129,
128.510

 7, 40.129, 128.510

 0, 40.129, 128.510

67, 40.129,
128.510

67, 40.129,
128.510

66, 49.769,
128.070

68, 30.159,
128.988

65, 58.844,
127.719

69, 20.017,
129.466

65, 67.036,
127.545

70, 9.815, 129.927

71, 0.367, 310.020

64, 73.936,
127.662

72, 10.472,
310.717

64, 79.131,
128.193

74, 20.459,
311.074

63, 82.694,
129.093

75, 30.302,
311.391

63, 82.813,
129.122

77, 39.980,
311.673

■ 78, 46.188,
313.275

Harmonies

Complementary

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



67, 40.129, 128.510



51, 42.239, 312.189

Rectangle

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



67, 40.129, 128.510



67, 40.129, 178.510



67, 40.129, 308.510



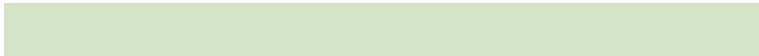
67, 40.129, 358.510

Sweetspot

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



67, 40.130, 128.511



89, 15.159, 129.810



61, 25.180, 73.893



47, 10.139, 129.752



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



67, 40.130, 128.511



84, 59.767, 128.102



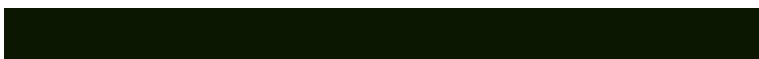
65, 45.138, 142.363



36, 5.742, 129.943



55, 74.246, 128.933



6, 12.397, 133.195

Inverse Universe

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



51, 42.239, 312.189



60, 63.740, 312.639



54, 45.056, 327.485



34, 5.813, 310.710



24, 83.393, 312.935



1, 11.906, 307.043

Previews

White Background



This preview shows how the CIELCh color 67, 40.129, 128.510 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, 40.129, 128.510 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, 40.129, 128.510

Background



This preview shows how black text looks on a background with the CIELCh color 67, 40.129, 128.510.



This preview shows how white text looks on a background with the CIELCh color 67, 40.129, 128.510.

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](#).

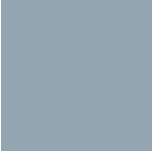
Dichromacy



Original Color
67, 40.129, 128.510

Protanopia
67, 34.206, 96.389

Deuteranopia
67, 31.205, 74.543



Tritanopia
67, 9.279, 250.045

Trichromacy



Original Color
67, 40.129, 128.510

Protanomaly
67, 35.124, 109.970

Deuteranomaly
67, 30.327, 98.065

Tritanomaly
67, 13.178, 152.961

Monochromacy



Original Color
67, 40.129, 128.510

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 14.914, 130.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 40.129, 128.510 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(137, 174, 105)` looks like.

```
.text, #text, p{  
    color:rgb(137, 174, 105)  
}
```

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(137, 174, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 174, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 40.129, 128.510 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(137, 174, 105) }
```

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

```
.border{ border-color:rgb(137, 174, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 174, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 174, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 174, 105);  
box-shadow:4px 4px 4px 4px rgb(137, 174,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 40.129, 128.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 174, 105) }
```

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

```
.background{ background-color: rgb(137,  
174, 105) }
```

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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