

Converting Colors

CIELCh(68, 40.921, 128.442)

Have a look what the booklet for
CIELCh(68, 40.921, 128.442)
contains.

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Color

CIELCh(68, 41.135, 128.451)

Conversions

Conversions Part 1

Format	Color
Hex	8BB16A
RGB	139, 177, 106
RGB Percent	55%, 69%, 42%
CMY	0.4549, 0.3059, 0.5843
CMYK	0.21, 0.00, 0.40, 0.31
HSL	92°, 31%, 55%
HSV	92°, 40%, 69%
XYZ	28.9696, 37.9720, 19.4373
YIQ	157.5440, 0.1430, -30.1370

Conversions

Conversions Part 2

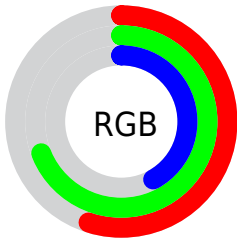
Format	Color
RYB	106, 177, 144
Decimal	9154922
CIELab	68.00, -25.58, 32.21
CIELCh	68, 41.135, 128.451
Yxy	37.9720, 0.3354, 0.4396
Android (android.graphics.Color)	4287345002 (0xFF8BB16A)
YUV	157.5440, -25.4112, -16.2631
Hunter-Lab	61.6215, -23.9208, 24.4331

Details

The CIELCh color **68, 41.135, 128.451** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **51, 43.336, 312.183**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 41.283, 128.267**, and **48, 41.084, 128.502** is the 20% darker color. If you saturate the color by 10%, you get **67, 50.881, 128.014**, and if you desaturate by 10%, it is **69, 31.044, 128.929**.

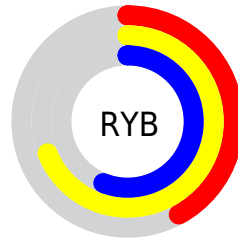
Distribution



Red (55%)

Green (69%)

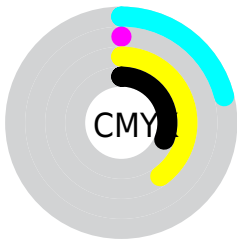
Blue (42%)



Red (42%)

Yellow (69%)

Blue (56%)

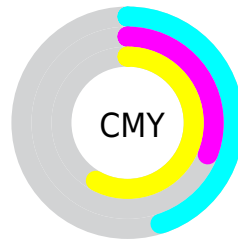


Cyan (21%)

Magenta (0%)

Yellow (40%)

Black (31%)



Cyan (45%)


Magenta (31%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 41.135, 128.451 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, 41.135, 128.451 by changing the saturation by 10% instead.


 68, 41.135,
128.451


 68, 41.135,
128.451


 100, 41.135,
128.451


 58, 41.135,
128.451


 88, 41.135,
128.451

 48, 41.135,
128.451

 98, 41.135,
128.451

 38, 41.135,
128.451

 28, 41.135,
128.451

 18, 41.135,
128.451

 8, 41.135, 128.451

 0, 41.135, 128.451

68, 41.135,
128.451

68, 41.135,
128.451

67, 50.881,
128.014

69, 31.044,
128.929

66, 60.040,
127.670

70, 20.769,
129.407

66, 68.282,
127.509

71, 10.430,
129.870

65, 75.188,
127.647

72, 0.108, 131.379

65, 80.344,
128.206

73, 10.138,
310.665

64, 83.842,
129.112

75, 20.268,
311.025

76, 30.251,
311.345

78, 40.069,
311.629

■ 79, 44.660,
314.043

Harmonies

Complementary

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



68, 41.135, 128.451



51, 43.336, 312.183

Rectangle

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



68, 41.135, 128.451



68, 41.135, 178.451



68, 41.135, 308.451



68, 41.135, 358.451

Sweetspot

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



68, 41.136, 128.452



89, 15.293, 129.775



62, 25.854, 73.825



47, 10.136, 129.717



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 41.136, 128.452



85, 60.292, 128.066



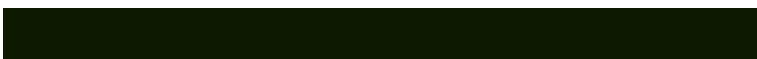
66, 46.278, 142.312



37, 5.880, 129.906



56, 75.160, 128.925



7, 14.612, 133.746

Inverse Universe

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



51, 43.336, 312.183



60, 64.315, 312.610



55, 46.187, 327.511



35, 5.953, 310.678



24, 84.455, 312.894



1, 13.924, 306.407

Previews

White Background



This preview shows how the CIELCh color 68, 41.135, 128.451 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 CIE LCh color 68, 41.135, 128.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

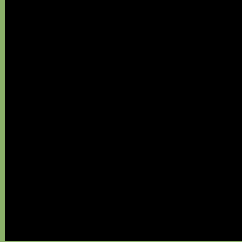
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 41.135, 128.451

Background



This preview shows how black text looks on a background with the CIELCh color 68, 41.135, 128.451.



This preview shows how white text looks on a background with the CIELCh color 68, 41.135, 128.451.

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, 41.135, 128.451

Protanopia
68, 35.255, 95.910

Deuteranopia
68, 31.846, 74.388



Tritanopia
68, 9.474, 248.379

Trichromacy



Original Color
68, 41.135, 128.451

Protanomaly
68, 35.553, 109.223

Deuteranomaly
68, 30.864, 97.407

Tritanomaly
68, 13.398, 154.064

Monochromacy



Original Color
68, 41.135, 128.451

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 15.375, 129.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 41.135, 128.451 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(139, 177, 106)` looks like.

```
.text, #text, p{  
    color:rgb(139, 177, 106)  
}
```

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(139, 177, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 177, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 41.135, 128.451 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(139, 177, 106) }
```

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

```
.border{ border-color:rgb(139, 177, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 177, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 177, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 177, 106);  
box-shadow:4px 4px 4px 4px rgb(139, 177,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 41.135, 128.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 177, 106) }
```

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

```
.background{ background-color: rgb(139,  
177, 106) }
```

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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