

Converting Colors

CIELCh(68, 42.210, 136.362)

Have a look what the booklet for
CIELCh(68, 42.210, 136.362)
contains.

CIELCh(68, 41.848, 136.531)	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(68, 41.848, 136.531)

Conversions

Conversions Part 1

Format	Color
Hex	7EB370
RGB	126, 179, 112
RGB Percent	49%, 70%, 44%
CMY	0.5049, 0.2970, 0.5598
CMYK	0.30, 0.00, 0.37, 0.30
HSL	107°, 31%, 57%
HSV	107°, 37%, 70%
XYZ	27.7496, 37.9720, 21.2651
YIQ	155.5150, -10.0810, -32.0730

Conversions

Conversions Part 2

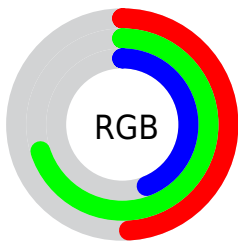
Format	Color
RYB	112, 179, 165
Decimal	8303472
CIELab	68.00, -30.37, 28.79
CIELCh	68, 41.848, 136.531
Yxy	37.9720, 0.3190, 0.4365
Android (android.graphics.Color)	4286493552 (0xFF7EB370)
YUV	155.5150, -21.4529, -25.8847
Hunter-Lab	61.6215, -27.4548, 22.6745

Details

The CIELCh color **68, 41.848, 136.531** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **55, 42.571, 320.156**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 42.037, 136.486**, and **48, 41.986, 136.677** is the 20% darker color. If you saturate the color by 10%, you get **67, 52.601, 135.875**, and if you desaturate by 10%, it is **69, 30.750, 137.153**.

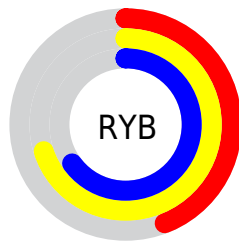
Distribution



Red (49%)

Green (70%)

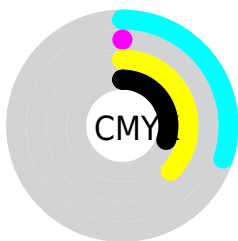
Blue (44%)



Red (44%)

Yellow (70%)

Blue (65%)

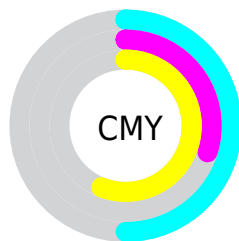


Cyan (30%)

Magenta (0%)

Yellow (37%)

Black (30%)



Cyan (50%)


Magenta (30%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 41.848, 136.531 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, 41.848, 136.531 by changing the saturation by 10% instead.


 68, 41.848,
136.531


 68, 41.848,
136.531


 100, 41.848,
136.531


 58, 41.848,
136.531


 88, 41.848,
136.531

 48, 41.848,
136.531

 98, 41.848,
136.531

 38, 41.848,
136.531

 28, 41.848,
136.531

 18, 41.848,
136.531

 8, 41.848, 136.531

 0, 41.848, 136.531

■ 68, 41.848,
136.531

■ 68, 41.848,
136.531

■ 67, 52.601,
135.875

■ 69, 30.750,
137.153

■ 66, 62.738,
135.224

■ 70, 19.501,
137.721

■ 65, 71.906,
134.651

■ 72, 8.247, 138.235

■ 65, 79.662,
134.263

■ 73, 2.908, 318.585

■ 64, 85.535,
134.186

■ 75, 13.891,
319.016

■ 64, 89.302,
134.467

■ 77, 24.651,
319.348

■ 64, 90.113,
134.522

■ 79, 35.157,
319.630

■ 81, 45.096,
320.069

■ 82, 47.235,
325.634

Harmonies

Complementary

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



68, 41.848, 136.531



55, 42.571, 320.156

Rectangle

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



68, 41.848, 136.531



68, 41.848, 186.531



68, 41.848, 316.531



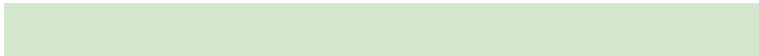
68, 41.848, 6.531

Sweetspot

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



68, 41.849, 136.532



90, 15.180, 138.044



68, 29.260, 94.963



48, 10.289, 137.976



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 41.849, 136.532



85, 61.723, 135.983



68, 36.457, 150.496



37, 6.308, 138.138



55, 80.049, 134.398



7, 15.459, 139.954

Inverse Universe

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



55, 42.571, 320.156



66, 62.951, 320.480



56, 36.812, 336.302



35, 6.344, 318.926



30, 80.502, 320.495



2, 14.882, 315.932

Previews

White Background



This preview shows how the CIELCh color 68, 41.848, 136.531 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 68, 41.848, 136.531 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, 41.848, 136.531

Background



This preview shows how black text looks on a background with the CIELCh color 68, 41.848, 136.531.



This preview shows how white text looks on a background with the CIELCh color 68, 41.848, 136.531.

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](#).

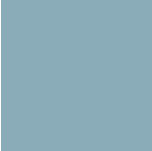
Dichromacy



Original Color
68, 41.848, 136.531

Protanopia
68, 32.161, 95.307

Deuteranopia
68, 28.068, 72.334



Tritanopia
68, 13.256, 231.506

Trichromacy



Original Color
68, 41.848, 136.531

Protanomaly
68, 33.178, 114.028

Deuteranomaly
67, 27.811, 102.922

Tritanomaly
68, 17.286, 167.290

Monochromacy



Original Color
68, 41.848, 136.531

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 15.253, 137.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 41.848, 136.531 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(126, 179, 112)` looks like.

```
.text, #text, p{  
    color:rgb(126, 179, 112)  
}
```

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(126, 179, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 179, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 41.848, 136.531 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(126, 179, 112) }
```

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

```
.border{ border-color:rgb(126, 179, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 179, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 179, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 179, 112);  
box-shadow:4px 4px 4px 4px rgb(126, 179,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 41.848, 136.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 179, 112) }
```

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

```
.background{ background-color: rgb(126,  
179, 112) }
```

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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