

Converting Colors

CIELCh(68, 40.417, 138.860)

Have a look what the booklet for
CIELCh(68, 40.417, 138.860)
contains.

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Color

CIELCh(68, 40.417, 138.860)

Conversions

Conversions Part 1

Format	Color
Hex	7CB374
RGB	124, 179, 116
RGB Percent	49%, 70%, 45%
CMY	0.5123, 0.2966, 0.5437
CMYK	0.31, 0.00, 0.35, 0.30
HSL	112°, 29%, 58%
HSV	112°, 35%, 70%
XYZ	27.7327, 37.9720, 22.4974
YIQ	155.3730, -12.5570, -31.2530

Conversions

Conversions Part 2

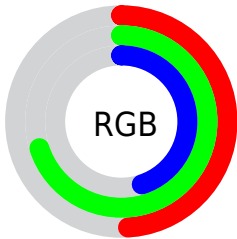
Format	Color
RYB	116, 179, 171
Decimal	8172404
CIELab	68.00, -30.44, 26.59
CIElCh	68, 40.417, 138.860
Yxy	37.9720, 0.3144, 0.4305
Android (android.graphics.Color)	4286362484 (0xFF7CB374)
YUV	155.3730, -19.4109, -27.5141
Hunter-Lab	61.6215, -27.5036, 21.4888

Details

The CIELCh color **68, 40.417, 138.860** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **57, 40.768, 322.563**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 40.201, 139.081**, and **48, 40.546, 139.065** is the 20% darker color. If you saturate the color by 10%, you get **67, 51.518, 138.096**, and if you desaturate by 10%, it is **69, 28.981, 139.557**.

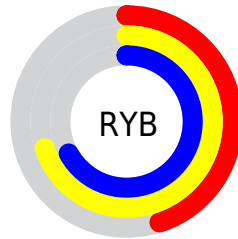
Distribution



Red (49%)

Green (70%)

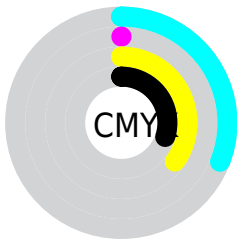
Blue (45%)



Red (45%)

Yellow (70%)

Blue (67%)

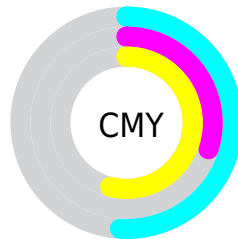


Cyan (31%)

Magenta (0%)

Yellow (35%)

Black (30%)



Cyan (51%)

Magenta (30%)

Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 40.417, 138.860 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, 40.417, 138.860 by changing the saturation by 10% instead.


 68, 40.417,
138.860


 68, 40.417,
138.860


 100, 40.417,
138.860


 58, 40.417,
138.860


 88, 40.417,
138.860

 48, 40.417,
138.860

 98, 40.417,
138.860

 38, 40.417,
138.860

 28, 40.417,
138.860

 18, 40.417,
138.860

 8, 40.417, 138.860

 0, 40.417, 138.860

68, 40.417,
138.860

68, 40.417,
138.860

67, 51.518,
138.096

69, 28.981,
139.557

66, 62.005,
137.293

71, 17.414,
140.177

65, 71.520,
136.511

72, 5.873, 140.735

74, 5.532, 321.121

65, 79.621,
135.850

76, 16.722,
321.540

64, 85.826,
135.435

78, 27.647,
321.880

64, 89.776,
135.372

80, 38.277,
322.167

64, 91.151,
135.349

82, 46.481,
324.008

■ 82, 47.350,
326.062

Harmonies

Complementary

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



68, 40.417, 138.860



57, 40.768, 322.563

Rectangle

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



68, 40.417, 138.860



68, 40.417, 188.860



68, 40.417, 318.860



68, 40.417, 8.860

Sweetspot

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



68, 40.418, 138.861



90, 15.571, 140.402



69, 29.731, 100.305



48, 10.554, 140.327



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, 40.418, 138.861



85, 59.245, 138.287



68, 32.177, 154.063



37, 6.470, 140.505



55, 80.966, 135.262



7, 15.761, 141.767

Inverse Universe

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



57, 40.768, 322.563



68, 59.792, 322.880



57, 32.788, 339.910



35, 6.495, 321.359



33, 79.664, 323.408



2, 15.349, 319.237

Previews

White Background



This preview shows how the CIELCh color 68, 40.417, 138.860 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, 40.417, 138.860 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, 40.417, 138.860

Background



This preview shows how black text looks on a background with the CIELCh color 68, 40.417, 138.860.



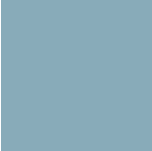
This preview shows how white text looks on a background with the CIELCh color 68, 40.417, 138.860.

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
68, 14.045, 232.096

Trichromacy



Original Color
68, 40.417, 138.860

Protanomaly
67, 31.685, 115.255

Deuteranomaly
67, 25.625, 104.687

Tritanomaly
68, 17.284, 171.409

Monochromacy



Original Color
68, 40.417, 138.860

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 15.166, 141.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 40.417, 138.860 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(124, 179, 116)` looks like.

```
.text, #text, p{  
    color:rgb(124, 179, 116)  
}
```

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(124, 179, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 179, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 40.417, 138.860 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(124, 179, 116) }
```

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

```
.border{ border-color:rgb(124, 179, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 179, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 179, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 179, 116);  
box-shadow:4px 4px 4px 4px rgb(124, 179,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 40.417, 138.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 179, 116) }
```

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

```
.background{ background-color: rgb(124,  
179, 116) }
```

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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