

Converting Colors

CIELCh(68, 47.763, 138.213)

Have a look what the booklet for
CIELCh(68, 47.763, 138.213)
contains.

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Color

CIELCh(68, 47.723, 138.229)

Conversions

Conversions Part 1

Format	Color
Hex	74B56A
RGB	116, 181, 106
RGB Percent	45%, 71%, 42%
CMY	0.5438, 0.2888, 0.5831
CMYK	0.36, 0.00, 0.41, 0.29
HSL	112°, 34%, 56%
HSV	112°, 41%, 71%
XYZ	26.4597, 37.9720, 19.6575
YIQ	153.0150, -14.6650, -37.1050

Conversions

Conversions Part 2

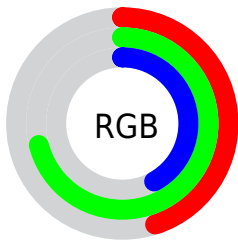
Format	Color
RYB	106, 181, 171
Decimal	7648618
CIELab	68.00, -35.59, 31.79
CIElCh	68, 47.723, 138.229
Yxy	37.9720, 0.3147, 0.4516
Android (android.graphics.Color)	4285838698 (0xFF74B56A)
YUV	153.0150, -23.1784, -32.4622
Hunter-Lab	61.6215, -31.1914, 24.2213

Details

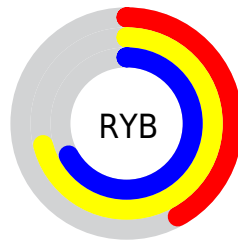
The CIELCh color **68, 47.723, 138.229** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **54, 48.196, 322.634**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 47.738, 138.302**, and **48, 48.029, 138.318** is the 20% darker color. If you saturate the color by 10%, you get **67, 58.558, 137.446**, and if you desaturate by 10%, it is **69, 36.389, 138.963**.

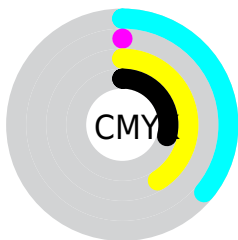
Distribution



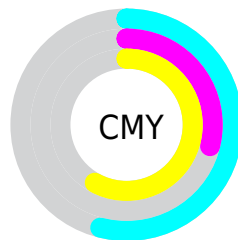
- Red (45%)
- Green (71%)
- Blue (42%)



- Red (42%)
- Yellow (71%)
- Blue (67%)



- Cyan (36%)
- Magenta (0%)
- Yellow (41%)
- Black (29%)



- Cyan (54%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 47.723, 138.229 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, 47.723, 138.229 by changing the saturation by 10% instead.

 68, 47.723,
138.229

 68, 47.723,
138.229

 100, 47.723,
138.229

 58, 47.723,
138.229

 88, 47.723,
138.229

 48, 47.723,
138.229

 98, 47.723,
138.229

 38, 47.723,
138.229

 28, 47.723,
138.229

 18, 47.723,
138.229

 8, 47.723, 138.229

 0, 47.723, 138.229

■ 68, 47.723,
138.229

■ 68, 47.723,
138.229

■ 67, 58.558,
137.446

■ 69, 36.389,
138.963

■ 66, 68.562,
136.661

■ 70, 24.802,
139.625

■ 66, 77.323,
135.958

■ 72, 13.150,
140.212

■ 65, 84.357,
135.457

■ 74, 1.570, 140.832

■ 65, 89.224,
135.280

■ 75, 9.841, 321.108

■ 64, 91.837,
135.304

■ 77, 21.016,
321.488

■ 79, 31.912,
321.805

■ 81, 42.506,
322.073

■ 83, 46.132,
326.021

Harmonies

Complementary

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



68, 47.723, 138.229



54, 48.196, 322.634

Rectangle

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



68, 47.723, 138.229



68, 47.723, 188.229



68, 47.723, 318.229



68, 47.723, 8.229

Sweetspot

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



68, 47.724, 138.230



91, 17.113, 140.166



69, 34.688, 98.644



48, 11.349, 140.094



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, 47.724, 138.230



85, 70.317, 137.490



68, 38.525, 152.658



38, 6.609, 140.323



56, 81.906, 135.218



8, 18.315, 141.783

Inverse Universe

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



54, 48.196, 322.634



65, 70.997, 322.989



55, 39.204, 339.695



36, 6.636, 321.175



33, 80.694, 323.168



3, 17.680, 319.081

Previews

White Background



This preview shows how the CIELCh color 68, 47.723, 138.229 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, 47.723, 138.229 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, 47.723, 138.229

Background



This preview shows how black text looks on a background with the CIELCh color 68, 47.723, 138.229.



This preview shows how white text looks on a background with the CIELCh color 68, 47.723, 138.229.

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, 47.723, 138.229

Protanopia
68, 35.767, 95.994

Deuteranopia
68, 30.653, 74.150



Tritanopia
68, 15.637, 228.178

Trichromacy



Original Color
68, 47.723, 138.229



Protanomaly
67, 37.499, 115.415



Deuteranomaly
67, 30.391, 105.383



Tritanomaly
68, 20.543, 168.779

Monochromacy



Original Color
68, 47.723, 138.229



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 17.517, 139.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 47.723, 138.229 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(116, 181, 106)` looks like.

```
.text, #text, p{  
    color:rgb(116, 181, 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(116, 181, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 181, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 47.723, 138.229 is called "border". The border property can be set on classes, ids or directly on the HTML element.

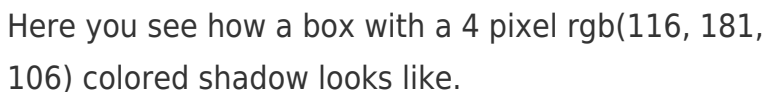
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 181, 106) }
```

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

```
.border{ border-color:rgb(116, 181, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 181, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 181, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 181, 106); box-shadow:4px 4px 4px 4px rgb(116, 181, 106) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 47.723, 138.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 181, 106) }
```

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

```
.background{ background-color: rgb(116,  
181, 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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