

Converting Colors

CIELCh(68, 50.735, 122.732)

Have a look what the booklet for
CIELCh(68, 50.735, 122.732)
contains.

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Color

CIELCh(68, 50.696, 122.641)

Conversions

Conversions Part 1

Format	Color
Hex	8DB155
RGB	141, 177, 85
RGB Percent	55%, 69%, 33%
CMY	0.4454, 0.3042, 0.6651
CMYK	0.20, 0.00, 0.52, 0.30
HSL	83°, 37%, 52%
HSV	83°, 52%, 70%
XYZ	28.5162, 37.9720, 14.5022
YIQ	155.7480, 8.0760, -36.2440

Conversions

Conversions Part 2

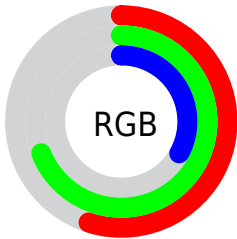
Format	Color
RYB	85, 177, 121
Decimal	9285973
CIELab	68.00, -27.34, 42.69
CIELCh	68, 50.696, 122.641
Yxy	37.9720, 0.3521, 0.4688
Android (android.graphics.Color)	4287476053 (0xFF8DB155)
YUV	155.7480, -34.8788, -12.9340
Hunter-Lab	61.6215, -25.2340, 29.1815

Details

The CIELCh color $68, 50.696, 122.641$ is a dark color, and the websafe version is hex $99CC66$. A complement of this color would be $44, 55.897, 308.390$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 50.807, 122.845$, and $48, 50.454, 122.761$ is the 20% darker color. If you saturate the color by 10%, you get $67, 59.324, 122.334$, and if you desaturate by 10%, it is $69, 41.429, 123.075$.

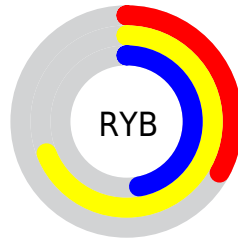
Distribution



Red (55%)

Green (69%)

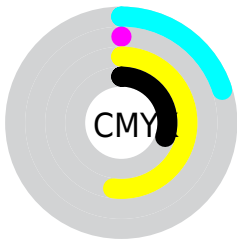
Blue (33%)



Red (33%)

Yellow (69%)

Blue (47%)

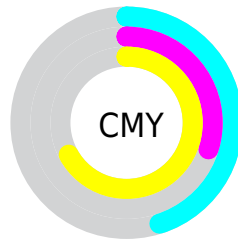


Cyan (20%)

Magenta (0%)

Yellow (52%)

Black (30%)



Cyan (45%)


Magenta (30%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 50.696, 122.641 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, 50.696, 122.641 by changing the saturation by 10% instead.


 68, 50.696,
122.641


 68, 50.696,
122.641


 100, 50.696,
122.641


 58, 50.696,
122.641


 88, 50.696,
122.641

 48, 50.696,
122.641

 98, 50.696,
122.641

 38, 50.696,
122.641

 28, 50.696,
122.641

 18, 50.696,
122.641

 8, 50.696, 122.641

 0, 50.696, 122.641

68, 50.696,
122.641

68, 50.696,
122.641

67, 59.324,
122.334

69, 41.429,
123.075

67, 66.965,
122.239

69, 31.768,
123.570

66, 73.196,
122.470

70, 21.882,
124.088

66, 77.631,
123.139

71, 11.888,
124.604

66, 80.138,
123.937

72, 1.865, 125.132

73, 8.131, 305.550

74, 18.060,
305.991

75, 27.892,
306.394

■ 77, 37.607,
306.763

Harmonies

Complementary

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



68, 50.696, 122.641



44, 55.897, 308.390

Rectangle

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



68, 50.696, 122.641



68, 50.696, 172.641



68, 50.696, 302.641



68, 50.696, 352.641

Sweetspot

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



68, 50.697, 122.643



89, 19.751, 124.378



56, 33.575, 57.254



47, 13.318, 124.275



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, 50.697, 122.643



85, 73.077, 122.310



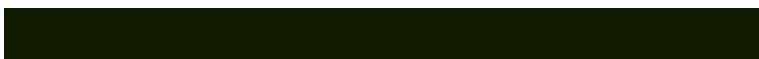
66, 58.326, 137.796



37, 5.698, 124.734



57, 71.742, 123.748



7, 14.145, 129.156

Inverse Universe

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



44, 55.897, 308.390



50, 82.682, 309.140



49, 58.748, 323.540



35, 5.792, 305.645



21, 87.034, 309.867



1, 13.637, 301.879

Previews

White Background



This preview shows how the CIELCh color 68, 50.696, 122.641 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, 50.696, 122.641 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, 50.696, 122.641

Background



This preview shows how black text looks on a background with the CIELCh color 68, 50.696, 122.641.



This preview shows how white text looks on a background with the CIELCh color 68, 50.696, 122.641.

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](#).

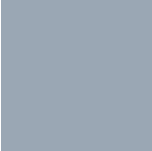
Dichromacy



Original Color
68, 50.696, 122.641

Protanopia
68, 45.480, 95.339

Deuteranopia
68, 42.239, 78.574



Tritanopia
68, 8.450, 257.395

Trichromacy



Original Color
68, 50.696, 122.641

Protanomaly
68, 45.985, 106.496

Deuteranomaly
68, 41.816, 96.739

Tritanomaly
68, 16.209, 140.406

Monochromacy



Original Color
68, 50.696, 122.641

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 19.424, 123.817

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 50.696, 122.641 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(141, 177, 85)` looks like.

```
.text, #text, p{  
    color:rgb(141, 177, 85)  
}
```

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(141, 177, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 177, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 50.696, 122.641 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(141, 177, 85) }
```

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

```
.border{ border-color:rgb(141, 177, 85) }
```

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

Here you see how a box with a 4 pixel rgb(141, 177, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 177, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 177, 85);  
box-shadow:4px 4px 4px 4px rgb(141, 177,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 50.696, 122.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 177, 85) }
```

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

```
.background{ background-color: rgb(141,  
177, 85) }
```

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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