

Converting Colors

CIELCh(68, 57.698, 124.320)

Have a look what the booklet for
CIELCh(68, 57.698, 124.320)
contains.

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Color

CIELCh(68, 57.850, 124.589)

Conversions

Conversions Part 1

Format	Color
Hex	85B44B
RGB	133, 180, 75
RGB Percent	52%, 71%, 29%
CMY	0.4797, 0.2954, 0.7071
CMYK	0.26, 0.00, 0.58, 0.30
HSL	87°, 41%, 50%
HSV	87°, 58%, 70%
XYZ	27.1344, 37.9720, 12.4999
YIQ	153.9770, 5.6930, -42.6190

Conversions

Conversions Part 2

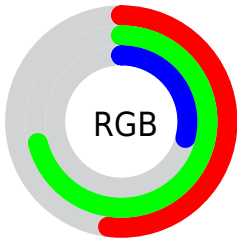
Format	Color
RYB	75, 180, 122
Decimal	8762443
CIELab	68.00, -32.84, 47.62
CIELCh	68, 57.850, 124.589
Yxy	37.9720, 0.3496, 0.4893
Android (android.graphics.Color)	4286952523 (0xFF85B44B)
YUV	153.9770, -38.9357, -18.3968
Hunter-Lab	61.6215, -29.2369, 31.1080

Details

The CIELCh color $68, 57.850, 124.589$ is a dark color, and the websafe version is hex $99CC66$. A complement of this color would be $42, 63.906, 310.460$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 57.856, 124.376$, and $48, 57.852, 124.469$ is the 20% darker color. If you saturate the color by 10%, you get $67, 66.117, 124.420$, and if you desaturate by 10%, it is $69, 48.722, 124.938$.

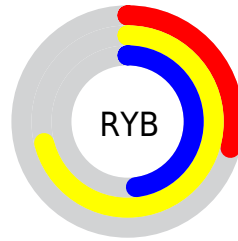
Distribution



Red (52%)

Green (71%)

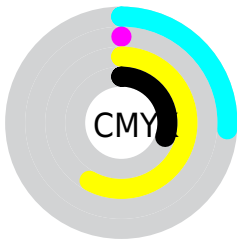
Blue (29%)



Red (29%)

Yellow (71%)

Blue (48%)

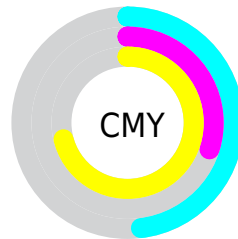


Cyan (26%)

Magenta (0%)

Yellow (58%)

Black (30%)



Cyan (48%)


Magenta (30%)

Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 57.850, 124.589 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, 57.850, 124.589 by changing the saturation by 10% instead.

 68, 57.850,
124.589


 68, 57.850,
124.589


 100, 57.850,
124.589


 58, 57.850,
124.589


 88, 57.850,
124.589

 48, 57.850,
124.589

 98, 57.850,
124.589

 38, 57.850,
124.589

 28, 57.850,
124.589

 18, 57.850,
124.589

 8, 57.850, 124.589

 0, 57.850, 124.589

■ 68, 57.850,
124.589

■ 68, 57.850,
124.589

■ 67, 66.117,
124.420

■ 69, 48.722,
124.938

■ 67, 73.111,
124.538

■ 69, 39.045,
125.382

■ 66, 78.407,
125.065

■ 70, 29.042,
125.868

■ 66, 81.925,
126.025

■ 71, 18.866,
126.363

■ 66, 82.429,
126.175

■ 72, 8.623, 126.848

■ 73, 1.614, 307.233

■ 75, 11.792,
307.705

■ 76, 21.874,
308.097

■ 77, 31.834,
308.452

Harmonies

Complementary

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



68, 57.850, 124.589



42, 63.906, 310.460

Rectangle

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



68, 57.850, 124.589



68, 57.850, 174.589



68, 57.850, 304.589



68, 57.850, 354.589

Sweetspot

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



68, 57.851, 124.590



91, 22.888, 126.368



56, 38.845, 61.627



48, 15.887, 126.227



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, 57.851, 124.590



86, 83.284, 124.419



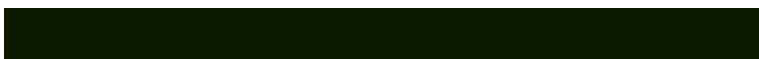
66, 66.417, 138.259



37, 5.764, 126.805



57, 73.081, 125.966



7, 14.327, 131.094

Inverse Universe

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



42, 63.906, 310.460



47, 94.306, 311.052



48, 66.307, 325.299



35, 5.850, 307.648



22, 86.033, 310.937



1, 13.733, 303.568

Previews

White Background



This preview shows how the CIELCh color 68, 57.850, 124.589 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, 57.850, 124.589 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, 57.850, 124.589

Background



This preview shows how black text looks on a background with the CIELCh color 68, 57.850, 124.589.



This preview shows how white text looks on a background with the CIELCh color 68, 57.850, 124.589.

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, 57.850, 124.589

Protanopia
68, 50.694, 95.236

Deuteranopia
68, 46.449, 79.283



Tritanopia
68, 10.407, 242.613

Trichromacy



Original Color
68, 57.850, 124.589

Protanomaly
67, 51.165, 107.342

Deuteranomaly
67, 45.994, 98.706

Tritanomaly
68, 20.426, 144.198

Monochromacy



Original Color
68, 57.850, 124.589

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 22.028, 126.117

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 57.850, 124.589 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(133, 180, 75)` looks like.

```
.text, #text, p{  
    color:rgb(133, 180, 75)  
}
```

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(133, 180, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 180, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 57.850, 124.589 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(133, 180, 75) }
```

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

```
.border{ border-color:rgb(133, 180, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 180, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 180, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 180, 75);  
box-shadow:4px 4px 4px 4px rgb(133, 180,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 57.850, 124.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 180, 75) }
```

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

```
.background{ background-color: rgb(133,  
180, 75) }
```

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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