

Converting Colors

CIELCh(68, 67.209, 123.905)

Have a look what the booklet for
CIELCh(68, 67.209, 123.905)
contains.

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Color

CIELCh(68, 67.061, 123.693)

Conversions

Conversions Part 1

Format	Color
Hex	7FB537
RGB	127, 181, 55
RGB Percent	50%, 71%, 22%
CMY	0.5009, 0.2891, 0.7832
CMYK	0.30, 0.00, 0.70, 0.29
HSL	86°, 53%, 46%
HSV	86°, 70%, 71%
XYZ	26.0703, 37.9720, 9.6050
YIQ	150.4900, 8.2620, -50.6340

Conversions

Conversions Part 2

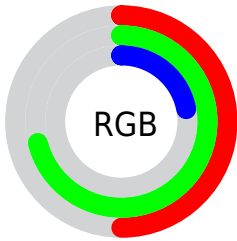
Format	Color
RYB	55, 181, 109
Decimal	8369463
CIELab	68.00, -37.20, 55.80
CIElCh	68, 67.061, 123.693
Yxy	37.9720, 0.3540, 0.5156
Android (android.graphics.Color)	4286559543 (0xFF7FB537)
YUV	150.4900, -47.0766, -20.6007
Hunter-Lab	61.6215, -32.3191, 33.8934

Details

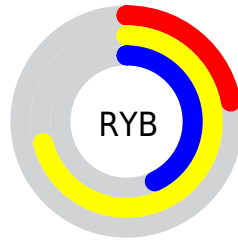
The CIELCh color **68, 67.061, 123.693** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **37, 76.159, 310.485**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 66.952, 123.717**, and **48, 63.828, 125.313** is the 20% darker color. If you saturate the color by 10%, you get **67, 73.878, 123.852**, and if you desaturate by 10%, it is **69, 58.913, 123.839**.

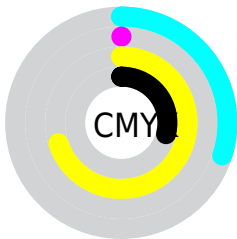
Distribution



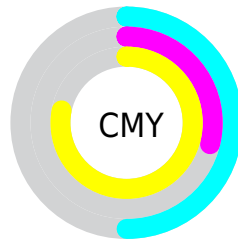
- Red (50%)
- Green (71%)
- Blue (22%)



- Red (22%)
- Yellow (71%)
- Blue (43%)



- Cyan (30%)
- Magenta (0%)
- Yellow (70%)
- Black (29%)



- Cyan (50%)
- Magenta (29%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 67.061, 123.693 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, 67.061, 123.693 by changing the saturation by 10% instead.

 68, 67.061,
123.693

 68, 67.061,
123.693

 100, 67.061,
123.693

 58, 67.061,
123.693

 88, 67.061,
123.693

 48, 67.061,
123.693

 98, 67.061,
123.693

 38, 67.061,
123.693

 28, 67.061,
123.693

 18, 67.061,
123.693

 8, 67.061, 123.693

 0, 67.061, 123.693

■ 68, 67.061,
123.693

■ 68, 67.061,
123.693

■ 67, 73.878,
123.852

■ 69, 58.913,
123.839

■ 67, 78.941,
124.431

■ 69, 49.852,
124.174

■ 67, 82.301,
125.413

■ 70, 40.207,
124.614

■ 67, 82.459,
125.460

■ 71, 30.211,
125.103

■ 72, 20.024,
125.605

■ 73, 9.755, 126.100

■ 74, 0.519, 306.390

■ 75, 10.744,
306.987

■ 76, 20.881,
307.394

Harmonies

Complementary

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



68, 67.061, 123.693



37, 76.159, 310.485

Rectangle

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



68, 67.061, 123.693



68, 67.061, 173.693



68, 67.061, 303.693



68, 67.061, 353.693

Sweetspot

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



68, 67.062, 123.694



90, 26.580, 125.513



53, 47.872, 58.926



48, 17.966, 125.376



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, 67.062, 123.694



85, 92.899, 124.075



65, 76.670, 136.968



38, 5.876, 126.108



58, 73.524, 125.265



9, 16.583, 130.855

Inverse Universe

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



37, 76.159, 310.485



41, 108.474, 310.841



45, 76.248, 325.056



36, 5.967, 306.976



22, 87.443, 310.542



1, 15.793, 302.611

Previews

White Background



This preview shows how the CIELCh color 68, 67.061, 123.693 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, 67.061, 123.693 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, 67.061, 123.693

Background



This preview shows how black text looks on a background with the CIELCh color 68, 67.061, 123.693.

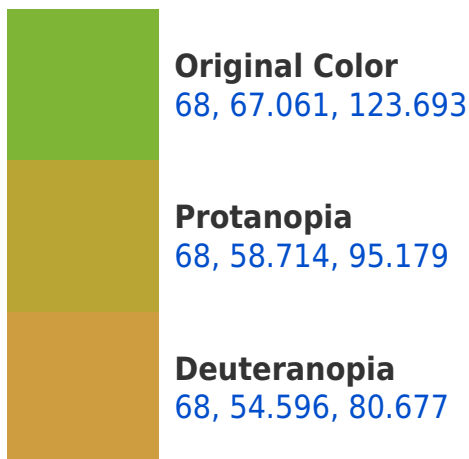


This preview shows how white text looks on a background with the CIELCh color 68, 67.061, 123.693.

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, 11.487, 241.272

Trichromacy



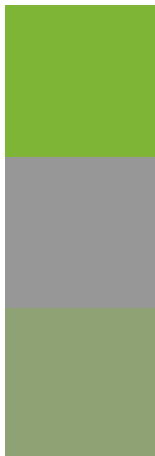
Original Color
68, 67.061, 123.693

Protanomaly
67, 59.580, 107.051

Deuteranomaly
67, 54.517, 99.268

Tritanomaly
67, 24.044, 142.435

Monochromacy



Original Color
68, 67.061, 123.693

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 26.581, 125.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 67.061, 123.693 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(127, 181, 55)` looks like.

```
.text, #text, p{  
    color:rgb(127, 181, 55)  
}
```

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(127, 181, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 181, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 67.061, 123.693 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(127, 181, 55) }
```

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

```
.border{ border-color:rgb(127, 181, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 181, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 181, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 181, 55);  
box-shadow:4px 4px 4px 4px rgb(127, 181,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 67.061, 123.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 181, 55) }
```

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

```
.background{ background-color: rgb(127,  
181, 55) }
```

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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