

Converting Colors

CIELCh(67, 53.854, 122.184)

Have a look what the booklet for
CIELCh(67, 53.854, 122.184)
contains.

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Color

CIELCh(67, 53.709, 122.360)

Conversions

Conversions Part 1

Format	Color
Hex	89AF4D
RGB	137, 175, 77
RGB Percent	54%, 69%, 30%
CMY	0.4618, 0.3128, 0.6971
CMYK	0.22, 0.00, 0.56, 0.31
HSL	83°, 39%, 50%
HSV	83°, 56%, 69%
XYZ	27.0808, 36.6320, 12.7065
YIQ	152.4660, 8.8100, -38.5340

Conversions

Conversions Part 2

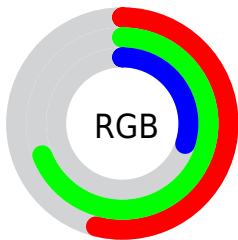
Format	Color
RYB	77, 175, 115
Decimal	9023309
CIELab	67.00, -28.75, 45.37
CIELCh	67, 53.709, 122.360
Yxy	36.6320, 0.3544, 0.4794
Android (android.graphics.Color)	4287213389 (0xFF89AF4D)
YUV	152.4660, -37.2047, -13.5637
Hunter-Lab	60.5244, -26.0501, 29.9197

Details

The CIELCh color **67, 53.709, 122.360** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **41, 59.808, 308.566**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 53.865, 122.587**, and **47, 53.514, 122.328** is the 20% darker color. If you saturate the color by 10%, you get **66, 61.896, 122.125**, and if you desaturate by 10%, it is **68, 44.765, 122.754**.

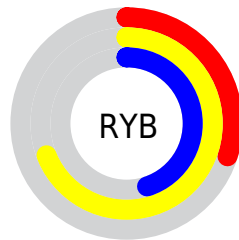
Distribution



Red (54%)

Green (69%)

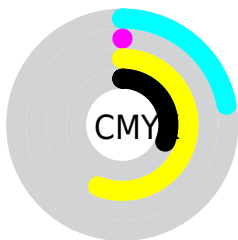
Blue (30%)



Red (30%)

Yellow (69%)

Blue (45%)

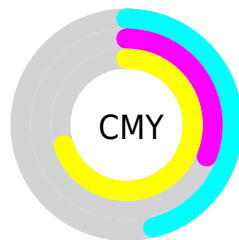


Cyan (22%)

Magenta (0%)

Yellow (56%)

Black (31%)



Cyan (46%)


Magenta (31%)


Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 53.709, 122.360 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 67, 53.709, 122.360 by changing the saturation by 10% instead.

 67, 53.709,
122.360

 67, 53.709,
122.360


 100, 53.709,
122.360


 57, 53.709,
122.360

 87, 53.709,
122.360

 47, 53.709,
122.360

 97, 53.709,
122.360

 37, 53.709,
122.360

 27, 53.709,
122.360

 17, 53.709,
122.360

 7, 53.709, 122.360

 0, 53.709, 122.360

67, 53.709,
122.360

67, 53.709,
122.360

66, 61.896,
122.125

68, 44.765,
122.754

66, 68.945,
122.144

68, 35.342,
123.231

65, 74.431,
122.536

69, 25.637,
123.744

65, 78.077,
123.388

70, 15.782,
124.264

65, 79.307,
123.776

71, 5.871, 124.778

72, 4.035, 305.228

73, 13.890,
305.692

74, 23.661,
306.111

■ 75, 33.325,
306.496

Harmonies

Complementary

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



67, 53.709, 122.360



41, 59.808, 308.566

Rectangle

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



67, 53.709, 122.360



67, 53.709, 172.360



67, 53.709, 302.360



67, 53.709, 352.360

Sweetspot

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



67, 53.710, 122.361



88, 20.779, 124.194



54, 36.300, 56.949



47, 14.007, 124.092



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67, 53.710, 122.361



84, 77.124, 122.103



64, 61.812, 137.464



36, 5.559, 124.605



56, 70.771, 123.580



6, 12.004, 128.491

Inverse Universe

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



41, 59.808, 308.566



46, 88.390, 309.348



47, 62.201, 323.670



34, 5.651, 305.518



21, 86.014, 309.821



1, 11.645, 302.409

Previews

White Background



This preview shows how the CIELCh color 67, 53.709, 122.360 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 67, 53.709, 122.360 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 67, 53.709, 122.360

Background



This preview shows how black text looks on a background with the CIELCh color 67, 53.709, 122.360.



This preview shows how white text looks on a background with the CIELCh color 67, 53.709, 122.360.

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](#).

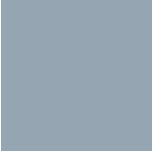
Dichromacy



Original Color
67, 53.709, 122.360

Protanopia
67, 48.285, 96.036

Deuteranopia
67, 44.475, 78.862



Tritanopia
67, 8.857, 253.552

Trichromacy



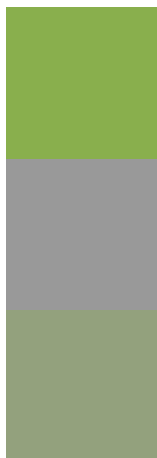
Original Color
67, 53.709, 122.360

Protanomaly
67, 48.440, 106.652

Deuteranomaly
66, 43.875, 96.805

Tritanomaly
67, 18.076, 139.660

Monochromacy



Original Color
67, 53.709, 122.360

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 20.657, 123.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 53.709, 122.360 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(137, 175, 77)` looks like.

```
.text, #text, p{  
    color:rgb(137, 175, 77)  
}
```

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(137, 175, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 175, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 53.709, 122.360 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(137, 175, 77) }
```

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

```
.border{ border-color:rgb(137, 175, 77) }
```

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

Here you see how a box with a 4 pixel rgb(137, 175, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 175, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 175, 77);  
box-shadow:4px 4px 4px 4px rgb(137, 175,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 53.709, 122.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 175, 77) }
```

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

```
.background{ background-color: rgb(137,  
175, 77) }
```

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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