

Converting Colors

CIELCh(66, 63.305, 121.840)

Have a look what the booklet for
CIELCh(66, 63.305, 121.840)
contains.

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Color

CIELCh(66, 63.234, 121.717)

Conversions

Conversions Part 1

Format	Color
Hex	81AE37
RGB	129, 174, 55
RGB Percent	51%, 68%, 22%
CMY	0.4932, 0.3167, 0.7834
CMYK	0.26, 0.00, 0.68, 0.32
HSL	83°, 52%, 45%
HSV	83°, 68%, 68%
XYZ	24.9638, 35.3238, 9.1457
YIQ	146.9790, 11.3790, -46.5490

Conversions

Conversions Part 2

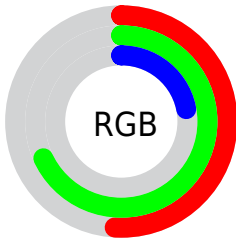
Format	Color
RYB	55, 174, 100
Decimal	8498743
CIELab	66.00, -33.24, 53.79
CIELCh	66, 63.234, 121.717
Yxy	35.3238, 0.3595, 0.5087
Android (android.graphics.Color)	4286688823 (0xFF81AE37)
YUV	146.9790, -45.3456, -15.7676
Hunter-Lab	59.4338, -29.0344, 32.4801

Details

The CIELCh color **66, 63.234, 121.717** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **35, 72.697, 309.110**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 63.473, 121.678**, and **46, 60.140, 122.935** is the 20% darker color. If you saturate the color by 10%, you get **66, 69.896, 121.809**, and if you desaturate by 10%, it is **67, 55.342, 121.909**.

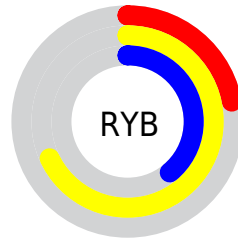
Distribution



Red (51%)

Green (68%)

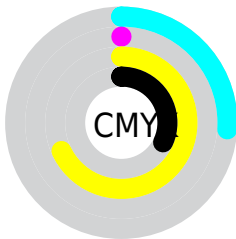
Blue (22%)



Red (22%)

Yellow (68%)

Blue (39%)

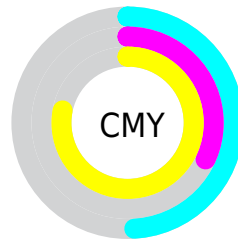


Cyan (26%)

Magenta (0%)

Yellow (68%)

Black (32%)



Cyan (49%)


Magenta (32%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 63.234, 121.717 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 66, 63.234, 121.717 by changing the saturation by 10% instead.


 66, 63.234,
121.717


 66, 63.234,
121.717


 100, 63.234,
121.717

 56, 63.234,
121.717


 86, 63.234,
121.717

 46, 63.234,
121.717

 96, 63.234,
121.717

 36, 63.234,
121.717

 26, 63.234,
121.717

 16, 63.234,
121.717

 6, 63.234, 121.717

 0, 63.234, 121.717

■ 66, 63.234,
121.717

■ 66, 63.234,
121.717

■ 66, 69.896,
121.809

■ 67, 55.342,
121.909

■ 65, 74.911,
122.298

■ 67, 46.612,
122.276

■ 65, 78.203,
123.209

■ 68, 37.349,
122.742

■ 65, 78.715,
123.366

■ 69, 27.765,
123.254

■ 69, 18.004,
123.780

■ 70, 8.166, 124.300

■ 71, 1.682, 304.745

■ 72, 11.491,
305.245

■ 73, 21.226,
305.680

Harmonies

Complementary

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



66, 63.234, 121.717



35, 72.697, 309.110

Rectangle

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



66, 63.234, 121.717



66, 63.234, 171.717



66, 63.234, 301.717



66, 63.234, 351.717

Sweetspot

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



66, 63.235, 121.718



88, 24.388, 123.672



50, 45.910, 54.538



47, 16.762, 123.527



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



66, 63.235, 121.718



83, 88.580, 122.004



63, 72.442, 136.175



36, 5.549, 124.249



56, 70.552, 123.178



6, 11.979, 128.147

Inverse Universe

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



35, 72.697, 309.110



39, 105.435, 309.728



43, 72.746, 323.437



34, 5.642, 305.175



20, 86.177, 309.656



1, 11.631, 302.117

Previews

White Background



This preview shows how the CIELCh color 66, 63.234, 121.717 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 66, 63.234, 121.717 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 66, 63.234, 121.717

Background



This preview shows how black text looks on a background with the CIELCh color 66, 63.234, 121.717.



This preview shows how white text looks on a background with the CIELCh color 66, 63.234, 121.717.

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](#).

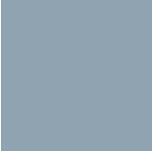
Dichromacy



Original Color
66, 63.234, 121.717

Protanopia
66, 56.662, 95.353

Deuteranopia
66, 52.651, 80.752



Tritanopia
66, 9.745, 246.896

Trichromacy



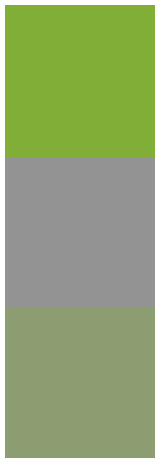
Original Color
66, 63.234, 121.717

Protanomaly
66, 57.132, 105.940

Deuteranomaly
65, 52.606, 97.622

Tritanomaly
66, 22.267, 137.791

Monochromacy



Original Color
66, 63.234, 121.717

Achromatopsia
61, 0.008, 296.813

Achromatomaly
63, 24.664, 123.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 63.234, 121.717 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(129, 174, 55)` looks like.

```
.text, #text, p{  
    color:rgb(129, 174, 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(129, 174, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 174, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 63.234, 121.717 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(129, 174, 55) }
```

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

```
.border{ border-color:rgb(129, 174, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 174, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 174, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 174, 55);  
box-shadow:4px 4px 4px 4px rgb(129, 174,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 63.234, 121.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 174, 55) }
```

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

```
.background{ background-color: rgb(129,  
174, 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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