

Converting Colors

CIELCh(65, 52.128, 128.274)

Have a look what the booklet for
CIELCh(65, 52.128, 128.274)
contains.

CIELCh(65, 51.923, 128.234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 51.923, 128.234)

Conversions

Conversions Part 1

Format	Color
Hex	7AAB51
RGB	122, 171, 81
RGB Percent	48%, 67%, 32%
CMY	0.5200, 0.3278, 0.6809
CMYK	0.29, 0.00, 0.53, 0.33
HSL	93°, 36%, 50%
HSV	93°, 53%, 67%
XYZ	24.2227, 34.0472, 13.1543
YIQ	146.0890, -0.3140, -38.3780

Conversions

Conversions Part 2

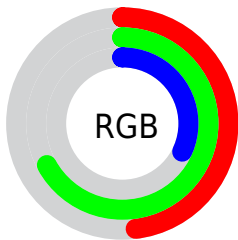
Format	Color
RYB	81, 171, 130
Decimal	8039249
CIELab	65.00, -32.13, 40.78
CIELCh	65, 51.923, 128.234
Yxy	34.0472, 0.3391, 0.4767
Android (android.graphics.Color)	4286229329 (0xFF7AAB51)
YUV	146.0890, -32.0889, -21.1261
Hunter-Lab	58.3500, -28.0120, 27.4788

Details

The CIELCh color **65, 51.923, 128.234** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **44, 55.570, 313.055**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 51.859, 128.245**, and **45, 51.625, 128.048** is the 20% darker color. If you saturate the color by 10%, you get **64, 60.701, 127.920**, and if you desaturate by 10%, it is **66, 42.511, 128.660**.

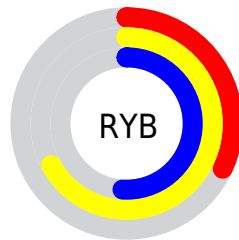
Distribution



Red (48%)

Green (67%)

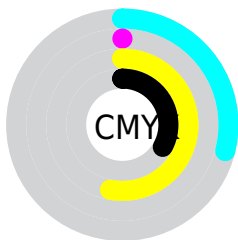
Blue (32%)



Red (32%)

Yellow (67%)

Blue (51%)

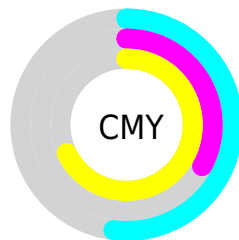


Cyan (29%)

Magenta (0%)

Yellow (53%)

Black (33%)



Cyan (52%)


Magenta (33%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 51.923, 128.234 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 65, 51.923, 128.234 by changing the saturation by 10% instead.


 65, 51.923,
128.234


 65, 51.923,
128.234


 100, 51.923,
128.234


 55, 51.923,
128.234


 85, 51.923,
128.234

 45, 51.923,
128.234

 95, 51.923,
128.234

 35, 51.923,
128.234

 25, 51.923,
128.234

 15, 51.923,
128.234

 5, 51.923, 128.234

 0, 51.923, 128.234

65, 51.923,
128.234

65, 51.923,
128.234

64, 60.701,
127.920

66, 42.511,
128.660

64, 68.499,
127.809

67, 32.714,
129.132

63, 74.900,
128.023

68, 22.708,
129.612

63, 79.528,
128.676

69, 12.618,
130.077

62, 82.073,
129.347

70, 2.529, 130.546

71, 7.495, 310.880

72, 17.412,
311.249

74, 27.190,
311.574

■ 75, 36.807,
311.862

Harmonies

Complementary

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



65, 51.923, 128.234



44, 55.570, 313.055

Rectangle

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



65, 51.923, 128.234



65, 51.923, 178.234



65, 51.923, 308.234



65, 51.923, 358.234

Sweetspot

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



65, 51.924, 128.235



86, 19.895, 129.904



57, 33.749, 72.187



46, 13.542, 129.812



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 51.924, 128.235



81, 75.167, 127.886



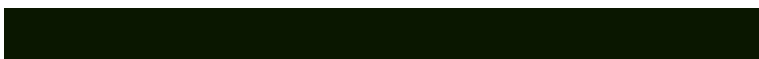
63, 58.023, 140.997



36, 5.753, 130.223



55, 74.432, 129.177



6, 12.419, 133.420

Inverse Universe

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



44, 55.570, 313.055



50, 81.698, 313.499



49, 57.613, 328.111



34, 5.823, 310.986



24, 83.250, 313.134



1, 11.924, 307.312

Previews

White Background



This preview shows how the CIELCh color 65, 51.923, 128.234 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 65, 51.923, 128.234 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 65, 51.923, 128.234

Background



This preview shows how black text looks on a background with the CIELCh color 65, 51.923, 128.234.

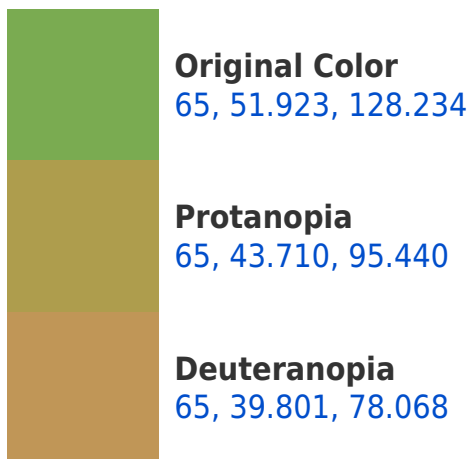


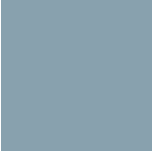
This preview shows how white text looks on a background with the CIELCh color 65, 51.923, 128.234.

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
65, 11.230, 239.106

Trichromacy



Original Color
65, 51.923, 128.234

Protanomaly
64, 44.375, 109.382

Deuteranomaly
64, 39.657, 100.118

Tritanomaly
65, 19.139, 151.418

Monochromacy



Original Color
65, 51.923, 128.234

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 19.266, 130.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 51.923, 128.234 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(122, 171, 81)` looks like.

```
.text, #text, p{  
    color:rgb(122, 171, 81)  
}
```

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(122, 171, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 171, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 51.923, 128.234 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(122, 171, 81) }
```

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

```
.border{ border-color:rgb(122, 171, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 171, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 171, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 171, 81);  
box-shadow:4px 4px 4px 4px rgb(122, 171,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 51.923, 128.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 171, 81) }
```

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

```
.background{ background-color: rgb(122,  
171, 81) }
```

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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