

Converting Colors

CIELCh(70, 53.579, 133.735)

Have a look what the booklet for
CIELCh(70, 53.579, 133.735)
contains.

CIELCh(70, 53.482, 133.891)	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(70, 53.482, 133.891)

Conversions

Conversions Part 1

Format	Color
Hex	7BBB62
RGB	123, 187, 98
RGB Percent	48%, 73%, 38%
CMY	0.5168, 0.2658, 0.6149
CMYK	0.34, 0.00, 0.48, 0.27
HSL	103°, 40%, 56%
HSV	103°, 48%, 73%
XYZ	28.2326, 40.7494, 17.9841
YIQ	157.7180, -9.5750, -41.2470

Conversions

Conversions Part 2

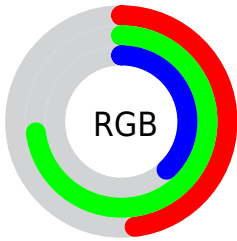
Format	Color
RYB	98, 187, 162
Decimal	8108898
CIELab	70.00, -37.08, 38.54
CIELCh	70, 53.482, 133.891
Yxy	40.7494, 0.3246, 0.4686
Android (android.graphics.Color)	4286298978 (0xFF7BBB62)
YUV	157.7180, -29.4410, -30.4477
Hunter-Lab	63.8353, -32.7662, 27.9811

Details

The CIELCh color **70, 53.482, 133.891** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **52, 55.179, 318.310**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 53.851, 133.873**, and **50, 53.409, 133.707** is the 20% darker color. If you saturate the color by 10%, you get **69, 63.782, 133.351**, and if you desaturate by 10%, it is **71, 42.582, 134.465**.

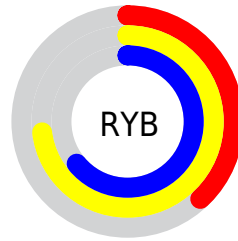
Distribution



Red (48%)

Green (73%)

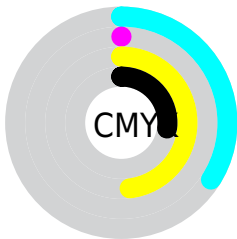
Blue (38%)



Red (38%)

Yellow (73%)

Blue (64%)

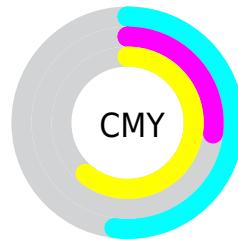


Cyan (34%)

Magenta (0%)

Yellow (48%)

Black (27%)



Cyan (52%)


Magenta (27%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 53.482, 133.891 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 70, 53.482, 133.891 by changing the saturation by 10% instead.


 70, 53.482,
133.891


 70, 53.482,
133.891


 100, 53.482,
133.891


 60, 53.482,
133.891


 90, 53.482,
133.891

 50, 53.482,
133.891

 40, 53.482,
133.891

 30, 53.482,
133.891

 20, 53.482,
133.891

 10, 53.482,
133.891

 0, 53.482, 133.891

70, 53.482,
133.891

70, 53.482,
133.891

69, 63.782,
133.351

71, 42.582,
134.465

68, 73.125,
132.921

72, 31.342,
135.026

68, 81.062,
132.711

73, 19.950,
135.550

67, 87.114,
132.848

75, 8.545, 136.033

76, 2.775, 316.367

67, 91.058,
133.378

78, 13.942,
316.786

67, 91.869,
133.498

80, 24.906,
317.110

82, 35.639,
317.388

■ 83, 40.769,
321.318

Harmonies

Complementary

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



70, 53.482, 133.891



52, 55.179, 318.310

Rectangle

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



70, 53.482, 133.891



70, 53.482, 183.891



70, 53.482, 313.891



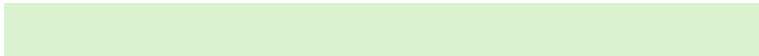
70, 53.482, 3.891

Sweetspot

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



70, 53.483, 133.892



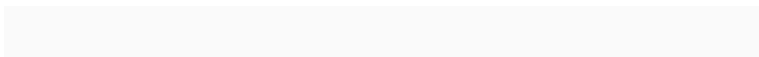
93, 19.606, 135.715



68, 36.457, 88.877



50, 13.655, 135.608



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 53.483, 133.892



87, 77.831, 133.333



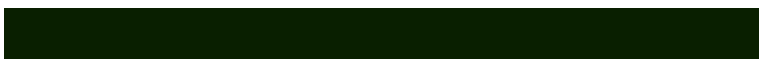
69, 50.015, 146.953



39, 6.465, 135.948



57, 80.909, 133.341



9, 20.252, 138.748

Inverse Universe

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



52, 55.179, 318.310



61, 80.665, 318.630



54, 50.054, 334.322



37, 6.514, 316.706



29, 83.435, 318.079



2, 19.034, 313.328

Previews

White Background



This preview shows how the CIELCh color 70, 53.482, 133.891 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 70, 53.482, 133.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

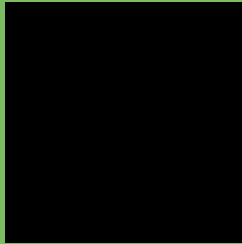
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 53.482, 133.891

Background



This preview shows how black text looks on a background with the CIELCh color 70, 53.482, 133.891.



This preview shows how white text looks on a background with the CIELCh color 70, 53.482, 133.891.

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
70, 53.482, 133.891

Protanopia
70, 42.311, 95.760

Deuteranopia
70, 37.540, 76.798



Tritanopia
70, 14.793, 229.939

Trichromacy



Original Color
70, 53.482, 133.891

Protanomaly
69, 43.691, 112.514

Deuteranomaly
69, 37.512, 103.712

Tritanomaly
70, 22.153, 161.271

Monochromacy



Original Color
70, 53.482, 133.891

Achromatopsia
65, 0.008, 296.813

Achromatomaly
67, 20.483, 135.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 53.482, 133.891 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(123, 187, 98)` looks like.

```
.text, #text, p{  
    color:rgb(123, 187, 98)  
}
```

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(123, 187, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 187, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 53.482, 133.891 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(123, 187, 98) }
```

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

```
.border{ border-color:rgb(123, 187, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 187, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 187, 98); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 187, 98); box-shadow:4px 4px 4px 4px rgb(123, 187, 98) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 53.482, 133.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 187, 98) }
```

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

```
.background{ background-color: rgb(123,  
187, 98) }
```

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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