

Converting Colors

CIELCh(70, 41.907, 128.969)

Have a look what the booklet for
CIELCh(70, 41.907, 128.969)
contains.

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Color

CIELCh(70, 42.184, 128.896)

Conversions

Conversions Part 1

Format	Color
Hex	8FB76E
RGB	143, 183, 110
RGB Percent	56%, 72%, 43%
CMY	0.4398, 0.2830, 0.5692
CMYK	0.22, 0.00, 0.40, 0.28
HSL	93°, 34%, 57%
HSV	93°, 40%, 72%
XYZ	31.0076, 40.7494, 20.9407
YIQ	162.7180, -0.4070, -31.1830

Conversions

Conversions Part 2

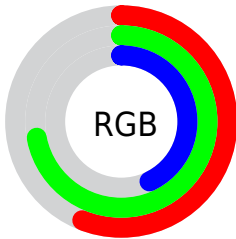
Format	Color
RYB	110, 183, 150
Decimal	9418606
CIELab	70.00, -26.49, 32.83
CIELCh	70, 42.184, 128.896
Yxy	40.7494, 0.3345, 0.4396
Android (android.graphics.Color)	4287608686 (0xFF8FB76E)
YUV	162.7180, -25.9900, -17.2927
Hunter-Lab	63.8353, -25.0064, 25.2350

Details

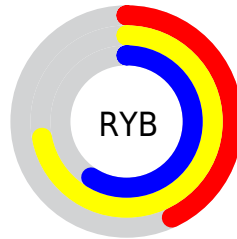
The CIELCh color $70, 42.184, 128.896$ is a dark color, and the websafe version is hex $99CC99$. A complement of this color would be $53, 44.355, 312.587$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $90, 42.319, 128.700$, and $50, 42.148, 128.964$ is the 20% darker color. If you saturate the color by 10%, you get $69, 52.235, 128.453$, and if you desaturate by 10%, it is $71, 31.779, 129.377$.

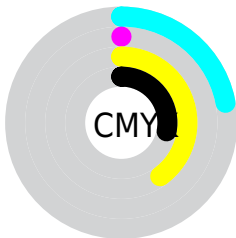
Distribution



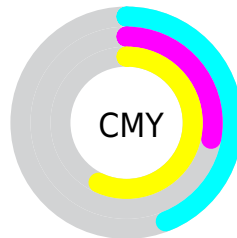
- Red (56%)
- Green (72%)
- Blue (43%)



- Red (43%)
- Yellow (72%)
- Blue (59%)



- Cyan (22%)
- Magenta (0%)
- Yellow (40%)
- Black (28%)





- Cyan (44%)
- Magenta (28%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 42.184, 128.896 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, 42.184, 128.896 by changing the saturation by 10% instead.


 70, 42.184,
128.896


 70, 42.184,
128.896


 100, 42.184,
128.896


 60, 42.184,
128.896


 90, 42.184,
128.896

 50, 42.184,
128.896

 40, 42.184,
128.896

 30, 42.184,
128.896

 20, 42.184,
128.896

 10, 42.184,
128.896

 0, 42.184, 128.896

70, 42.184,
128.896

70, 42.184,
128.896

69, 52.235,
128.453

71, 31.779,
129.377

68, 61.683,
128.102

72, 21.190,
129.856

68, 70.186,
127.931

73, 10.537,
130.319

67, 77.312,
128.058

74, 0.094, 309.401

67, 82.632,
128.605

76, 10.642,
311.108

66, 86.234,
129.524

77, 21.065,
311.463

66, 86.262,
129.531

79, 31.332,
311.778

80, 40.867,
312.323

■ 81, 41.980,
316.812

Harmonies

Complementary

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



70, 42.184, 128.896



53, 44.355, 312.587

Rectangle

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



70, 42.184, 128.896



70, 42.184, 178.896



70, 42.184, 308.896



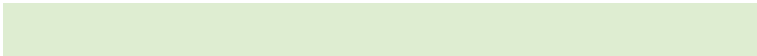
70, 42.184, 358.896

Sweetspot

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



70, 42.185, 128.897



92, 15.755, 130.215



64, 26.414, 73.838



49, 10.538, 130.156



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 42.185, 128.897



88, 62.133, 128.500



68, 47.293, 142.322



38, 6.037, 130.345



57, 76.394, 129.331



8, 17.080, 134.572

Inverse Universe

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



53, 44.355, 312.587



62, 66.130, 313.011



57, 47.201, 327.506



36, 6.111, 311.113



25, 85.266, 313.194



2, 16.087, 306.552

Previews

White Background



This preview shows how the CIELCh color 70, 42.184, 128.896 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 CIE LCh color 70, 42.184, 128.896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

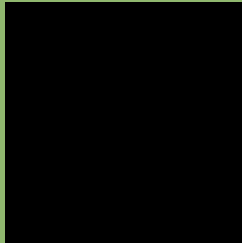
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 42.184, 128.896

Background



This preview shows how black text looks on a background with the CIELCh color 70, 42.184, 128.896.

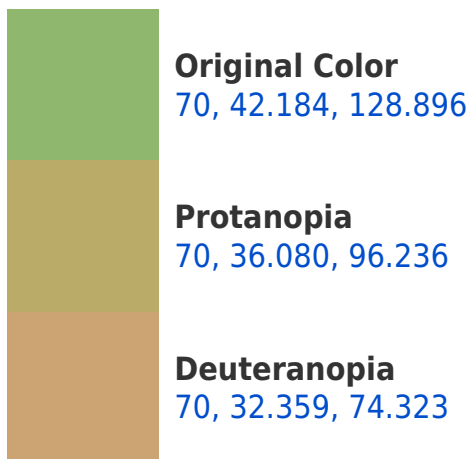


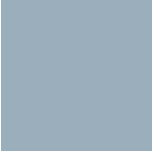
This preview shows how white text looks on a background with the CIELCh color 70, 42.184, 128.896.

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
70, 9.883, 245.284

Trichromacy



Original Color
70, 42.184, 128.896

Protanomaly
70, 36.420, 109.812

Deuteranomaly
69, 31.753, 97.701

Tritanomaly
70, 14.237, 154.557

Monochromacy



Original Color
70, 42.184, 128.896

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 15.290, 129.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 42.184, 128.896 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(143, 183, 110)` looks like.

```
.text, #text, p{  
    color:rgb(143, 183, 110)  
}
```

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(143, 183, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 183, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 42.184, 128.896 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(143, 183, 110) }
```

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

```
.border{ border-color:rgb(143, 183, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 183, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 183, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 183, 110);  
box-shadow:4px 4px 4px 4px rgb(143, 183,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 42.184, 128.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 183, 110) }
```

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

```
.background{ background-color: rgb(143,  
183, 110) }
```

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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