

Converting Colors

CIELCh(71, 42.696, 106.747)

Have a look what the booklet for
CIELCh(71, 42.696, 106.747)
contains.

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Color

CIELCh(71, 42.321, 106.515)

Conversions

Conversions Part 1

Format	Color
Hex	B1B262
RGB	177, 178, 98
RGB Percent	69%, 70%, 38%
CMY	0.3050, 0.3011, 0.6149
CMYK	0.01, 0.00, 0.45, 0.30
HSL	61°, 34%, 54%
HSV	61°, 45%, 70%
XYZ	36.3613, 42.1875, 17.8328
YIQ	168.5810, 25.0840, -25.0920

Conversions

Conversions Part 2

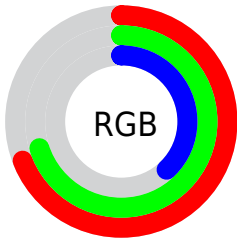
Format	Color
RYB	98, 178, 99
Decimal	11645538
CIELab	71.00, -12.03, 40.58
CIELCh	71, 42.321, 106.515
Yxy	42.1875, 0.3773, 0.4377
Android (android.graphics.Color)	4289835618 (0xFFB1B262)
YUV	168.5810, -34.7964, 7.3835
Hunter-Lab	64.9519, -13.7383, 29.1881

Details

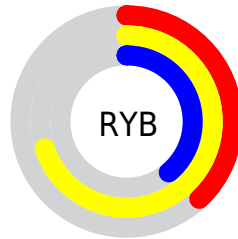
The CIELCh color $71, 42.321, 106.515$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $45, 47.640, 296.705$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 42.628, 106.701$, and $51, 42.718, 106.552$ is the 20% darker color. If you saturate the color by 10%, you get $71, 50.875, 105.684$, and if you desaturate by 10%, it is $71, 33.264, 107.412$.

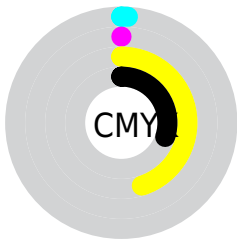
Distribution



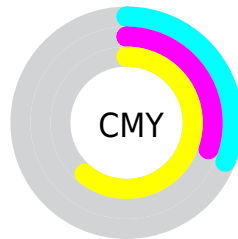
- Red (69%)
- Green (70%)
- Blue (38%)



- Red (38%)
- Yellow (70%)
- Blue (39%)



- Cyan (1%)
- Magenta (0%)
- Yellow (45%)
- Black (30%)





- Cyan (31%)
- Magenta (30%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 42.321, 106.515 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 71, 42.321, 106.515 by changing the saturation by 10% instead.


 71, 42.321,
106.515


 71, 42.321,
106.515


 100, 42.321,
106.515


 61, 42.321,
106.515


 91, 42.321,
106.515

 51, 42.321,
106.515

 41, 42.321,
106.515

 31, 42.321,
106.515

 21, 42.321,
106.515

 11, 42.321,
106.515

 1, 42.321, 106.515

■ 0, 42.321, 106.515

■ 71, 42.321,
106.515

■ 71, 42.321,
106.515

■ 71, 50.875,
105.684

■ 71, 33.264,
107.412

■ 71, 58.629,
104.944

■ 72, 23.899,
108.339

■ 70, 65.185,
104.340

■ 72, 14.357,
109.278

■ 70, 70.095,
103.914

■ 72, 4.724, 110.206

■ 70, 73.031,
103.692

■ 73, 4.946, 291.147

■ 70, 74.081,
103.624

■ 73, 14.617,
292.033

■ 74, 24.264,

292.892

■ 75, 33.867,
293.715

■ 75, 41.485,
294.361

Harmonies

Complementary

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



71, 42.321, 106.515



45, 47.640, 296.705

Rectangle

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



71, 42.321, 106.515



71, 42.321, 156.515



71, 42.321, 286.515



71, 42.321, 336.515

Sweetspot

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



71, 42.322, 106.518



91, 15.535, 109.434



51, 35.270, 24.050



49, 10.952, 109.229



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



71, 42.322, 106.518



90, 62.015, 105.681



68, 45.671, 126.995



38, 5.471, 109.798



61, 66.197, 103.615



8, 13.301, 110.855

Inverse Universe

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



45, 47.640, 296.705



51, 72.444, 298.659



49, 48.728, 311.310



34, 5.591, 291.601



17, 91.320, 306.333



1, 13.318, 290.557

Previews

White Background



This preview shows how the CIELCh color 71, 42.321, 106.515 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 71, 42.321, 106.515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

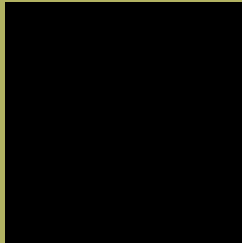
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 42.321, 106.515

Background



This preview shows how black text looks on a background with the CIELCh color 71, 42.321, 106.515.

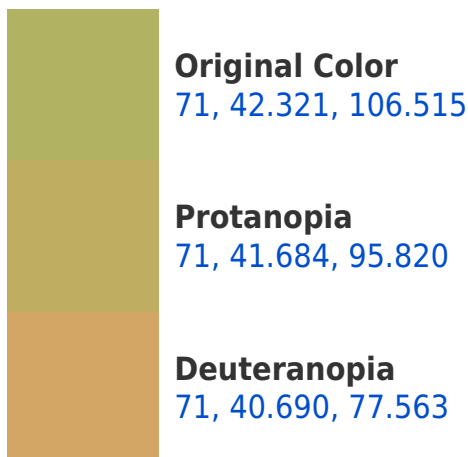


This preview shows how white text looks on a background with the CIELCh color 71, 42.321, 106.515.

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
71, 9.561, 332.342

Trichromacy



Original Color
71, 42.321, 106.515

Protanomaly
71, 42.136, 100.066

Deuteranomaly
71, 39.803, 87.808

Tritanomaly
71, 11.720, 87.223

Monochromacy



Original Color
71, 42.321, 106.515

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 15.775, 108.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 42.321, 106.515 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(177, 178, 98)` looks like.

```
.text, #text, p{  
    color:rgb(177, 178, 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(177, 178, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 178, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 42.321, 106.515 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(177, 178, 98) }
```

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

```
.border{ border-color:rgb(177, 178, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 178, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 178, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 178, 98);  
box-shadow:4px 4px 4px 4px rgb(177, 178,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 42.321, 106.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 178, 98) }
```

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

```
.background{ background-color: rgb(177,  
178, 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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