

Converting Colors

CIELCh(71, 40.512, 148.304)

Have a look what the booklet for
CIELCh(71, 40.512, 148.304)
contains.

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Color

CIELCh(71, 40.563, 148.234)

Conversions

Conversions Part 1

Format	Color
Hex	76BE86
RGB	118, 190, 134
RGB Percent	46%, 75%, 53%
CMY	0.5388, 0.2565, 0.4760
CMYK	0.38, 0.00, 0.30, 0.26
HSL	133°, 35%, 60%
HSV	133°, 38%, 74%
XYZ	30.0213, 42.1875, 28.9771
YIQ	162.0880, -24.9360, -32.6800

Conversions

Conversions Part 2

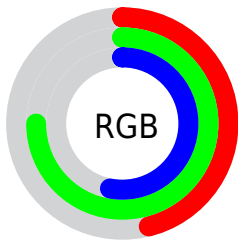
Format	Color
RYB	118, 177, 190
Decimal	7782022
CIELab	71.00, -34.49, 21.35
CIElCh	71, 40.563, 148.234
Yxy	42.1875, 0.2967, 0.4169
Android (android.graphics.Color)	4285972102 (0xFF76BE86)
YUV	162.0880, -13.8474, -38.6652
Hunter-Lab	64.9519, -31.1616, 19.0152

Details

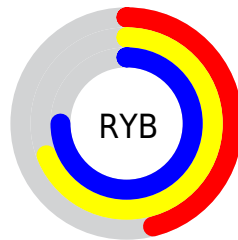
The CIELCh color $71, 40.563, 148.234$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $59, 40.756, 333.852$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $91, 40.821, 147.866$, and $51, 40.512, 148.304$ is the 20% darker color. If you saturate the color by 10%, you get $70, 50.730, 147.091$, and if you desaturate by 10%, it is $72, 30.015, 149.226$.

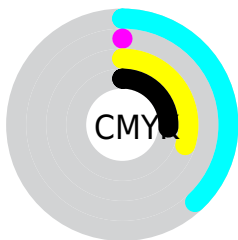
Distribution



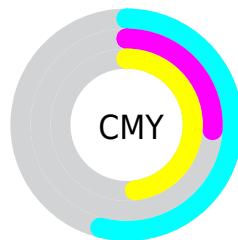
- Red (46%)
- Green (75%)
- Blue (53%)



- Red (46%)
- Yellow (69%)
- Blue (75%)



- Cyan (38%)
- Magenta (0%)
- Yellow (30%)
- Black (26%)





- Cyan (54%)
- Magenta (26%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 40.563, 148.234 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 71, 40.563, 148.234 by changing the saturation by 10% instead.


 71, 40.563,
148.234


 71, 40.563,
148.234


 100, 40.563,
148.234


 61, 40.563,
148.234


 91, 40.563,
148.234

 51, 40.563,
148.234

 41, 40.563,
148.234

 31, 40.563,
148.234

 21, 40.563,
148.234

 11, 40.563,
148.234

 1, 40.563, 148.234

■ 0, 40.563, 148.234

■ 71, 40.563,
148.234

■ 71, 40.563,
148.234

■ 70, 50.730,
147.091

■ 72, 30.015,
149.226

■ 69, 60.294,
145.784

■ 74, 19.277,
150.085

■ 68, 69.029,
144.312

■ 75, 8.509, 150.843

■ 68, 76.715,
142.698

■ 77, 2.162, 331.307

■ 67, 83.162,
140.995

■ 79, 12.644,
331.981

■ 67, 88.261,
139.324

■ 81, 22.873,
332.480

■ 84, 32.808,

■ 67, 89.162,
139.030

332.915

■ 84, 39.579,
327.330

■ 85, 41.005,
325.847

Harmonies

Complementary

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



71, 40.563, 148.234



59, 40.756, 333.852

Rectangle

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



71, 40.563, 148.234



71, 40.563, 198.234



71, 40.563, 328.234



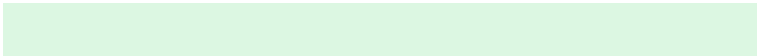
71, 40.563, 18.234

Sweetspot

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



71, 40.564, 148.234



95, 14.605, 150.608



74, 38.534, 116.137



51, 9.900, 150.505



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



71, 40.564, 148.234



89, 60.468, 147.239



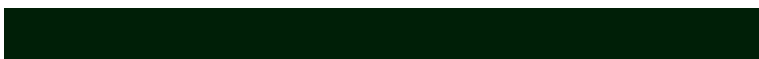
72, 27.444, 173.299



39, 6.033, 150.742



57, 77.489, 139.279



9, 19.434, 148.922

Inverse Universe

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



59, 40.756, 333.852



71, 60.567, 334.500



58, 30.948, 1.633



37, 6.054, 331.882



35, 68.231, 339.388



3, 17.249, 335.429

Previews

White Background



This preview shows how the CIELCh color 71, 40.563, 148.234 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 71, 40.563, 148.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

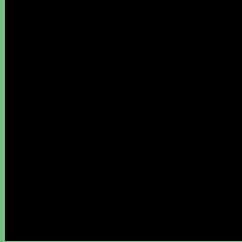
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 40.563, 148.234

Background



This preview shows how black text looks on a background with the CIELCh color 71, 40.563, 148.234.



This preview shows how white text looks on a background with the CIELCh color 71, 40.563, 148.234.

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



Original Color
71, 40.563, 148.234

Protanopia
71, 26.005, 95.582

Deuteranopia
71, 20.789, 64.710



Tritanopia
71, 18.237, 223.185

Trichromacy



Original Color
71, 40.563, 148.234



Protanomaly
70, 27.916, 122.568



Deuteranomaly
70, 20.644, 112.583



Tritanomaly
71, 21.717, 180.031

Monochromacy



Original Color
71, 40.563, 148.234



Achromatopsia
67, 0.008, 296.813



Achromatomaly
68, 14.874, 150.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 40.563, 148.234 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(118, 190, 134)` looks like.

```
.text, #text, p{  
    color:rgb(118, 190, 134)  
}
```

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(118, 190, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 190, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 40.563, 148.234 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(118, 190, 134) }
```

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

```
.border{ border-color:rgb(118, 190, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 190, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 190, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 190, 134);  
box-shadow:4px 4px 4px 4px rgb(118, 190,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 40.563, 148.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 190, 134) }
```

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

```
.background{ background-color: rgb(118,  
190, 134) }
```

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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