

Converting Colors

CIELCh(71, 41.499, 145.733)

Have a look what the booklet for
CIELCh(71, 41.499, 145.733)
contains.

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Color

CIELCh(71, 41.218, 145.860)

Conversions

Conversions Part 1

Format	Color
Hex	78BD82
RGB	120, 189, 130
RGB Percent	47%, 74%, 51%
CMY	0.5281, 0.2574, 0.4889
CMYK	0.36, 0.00, 0.31, 0.26
HSL	129°, 34%, 61%
HSV	129°, 36%, 74%
XYZ	30.1198, 42.1875, 27.7923
YIQ	161.6430, -22.1850, -32.9770

Conversions

Conversions Part 2

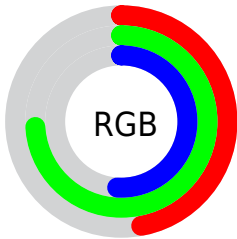
Format	Color
RYB	120, 180, 189
Decimal	7912834
CIELab	71.00, -34.11, 23.13
CIElCh	71, 41.218, 145.860
Yxy	42.1875, 0.3009, 0.4215
Android (android.graphics.Color)	4286102914 (0xFF78BD82)
YUV	161.6430, -15.6000, -36.5209
Hunter-Lab	64.9519, -30.8909, 20.0967

Details

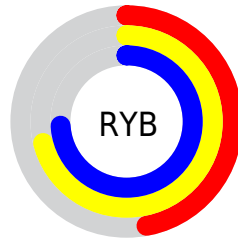
The CIELCh color **71, 41.218, 145.860** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **60, 41.266, 330.879**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 41.432, 145.560**, and **51, 41.261, 145.931** is the 20% darker color. If you saturate the color by 10%, you get **70, 52.039, 144.781**, and if you desaturate by 10%, it is **72, 30.015, 146.797**.

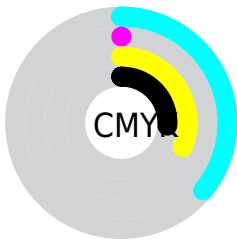
Distribution



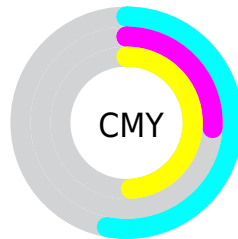
- Red (47%)
- Green (74%)
- Blue (51%)



- Red (47%)
- Yellow (71%)
- Blue (74%)



- Cyan (36%)
- Magenta (0%)
- Yellow (31%)
- Black (26%)





- Cyan (53%)
- Magenta (26%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 41.218, 145.860 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, 41.218, 145.860 by changing the saturation by 10% instead.


 71, 41.218,
145.860


 71, 41.218,
145.860


 100, 41.218,
145.860


 61, 41.218,
145.860


 91, 41.218,
145.860


 51, 41.218,
145.860

 41, 41.218,
145.860

 31, 41.218,
145.860

 21, 41.218,
145.860

 11, 41.218,
145.860

 1, 41.218, 145.860

■ 0, 41.218, 145.860

■ 71, 41.218,
145.860

■ 71, 41.218,
145.860

■ 70, 52.039,
144.781

■ 72, 30.015,
146.797

■ 69, 62.224,
143.553

■ 74, 18.639,
147.606

■ 68, 71.495,
142.191

■ 76, 7.263, 148.319

■ 68, 79.562,
140.733

■ 77, 3.983, 328.802

■ 67, 86.143,
139.259

■ 79, 15.005,
329.364

■ 67, 91.007,
137.895

■ 82, 25.742,
329.813

■ 84, 36.156,

■ 67, 92.358,
137.512

330.200

■ 84, 41.155,
325.852

Harmonies

Complementary

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



71, 41.218, 145.860



60, 41.266, 330.879

Rectangle

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



71, 41.218, 145.860



71, 41.218, 195.860



71, 41.218, 325.860



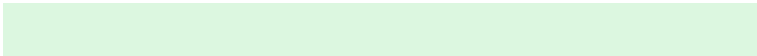
71, 41.218, 15.860

Sweetspot

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



71, 41.219, 145.860



95, 15.448, 147.989



75, 36.657, 112.635



51, 10.473, 147.892



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, 41.219, 145.860



89, 61.371, 144.977



72, 28.135, 167.835



39, 6.381, 148.118



57, 80.449, 137.702



9, 20.204, 147.226

Inverse Universe

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



60, 41.266, 330.879



72, 61.264, 331.397



58, 30.558, 355.557



37, 6.397, 329.197



36, 72.288, 334.885



3, 18.619, 331.339

Previews

White Background



This preview shows how the CIELCh color 71, 41.218, 145.860 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 71, 41.218, 145.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

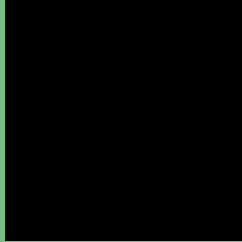
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 41.218, 145.860

Background



This preview shows how black text looks on a background with the CIELCh color 71, 41.218, 145.860.



This preview shows how white text looks on a background with the CIELCh color 71, 41.218, 145.860.

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](#).

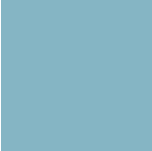
Dichromacy



Original Color
71, 41.218, 145.860

Protanopia
71, 27.574, 96.057

Deuteranopia
71, 22.770, 67.384



Tritanopia
71, 17.629, 226.200

Trichromacy



Original Color
71, 41.218, 145.860



Protanomaly
70, 29.345, 120.933



Deuteranomaly
70, 22.215, 110.027



Tritanomaly
71, 20.846, 179.326

Monochromacy



Original Color
71, 41.218, 145.860



Achromatopsia
67, 0.008, 296.813



Achromatomaly
68, 15.490, 146.982

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 41.218, 145.860 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(120, 189, 130)` looks like.

```
.text, #text, p{  
    color:rgb(120, 189, 130)  
}
```

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(120, 189, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 189, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 41.218, 145.860 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(120, 189, 130) }
```

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

```
.border{ border-color:rgb(120, 189, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 189, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 189, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 189, 130);  
box-shadow:4px 4px 4px 4px rgb(120, 189,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 41.218, 145.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 189, 130) }
```

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

```
.background{ background-color: rgb(120,  
189, 130) }
```

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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