

Converting Colors

CIELCh(72, 41.819, 130.152)

Have a look what the booklet for
CIELCh(72, 41.819, 130.152)
contains.

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Color

CIELCh(72, 41.816, 130.174)

Conversions

Conversions Part 1

Format	Color
Hex	93BD75
RGB	147, 189, 117
RGB Percent	58%, 74%, 46%
CMY	0.4251, 0.2604, 0.5427
CMYK	0.22, 0.00, 0.38, 0.26
HSL	95°, 35%, 60%
HSV	95°, 38%, 74%
XYZ	33.2578, 43.6590, 23.3855
YIQ	168.2340, -1.9200, -31.2960

Conversions

Conversions Part 2

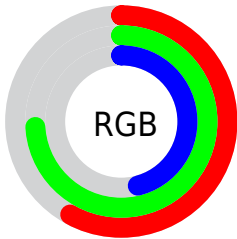
Format	Color
RYB	117, 189, 159
Decimal	9682293
CIELab	72.00, -26.98, 31.95
CIELCh	72, 41.816, 130.174
Yxy	43.6590, 0.3316, 0.4353
Android (android.graphics.Color)	4287872373 (0xFF93BD75)
YUV	168.2340, -25.2584, -18.6222
Hunter-Lab	66.0750, -25.7861, 25.2683

Details

The CIELCh color $72, 41.816, 130.174$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $56, 43.661, 313.643$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 41.509, 130.180$, and $52, 41.660, 129.826$ is the 20% darker color. If you saturate the color by 10%, you get $71, 52.314, 129.707$, and if you desaturate by 10%, it is $73, 30.988, 130.665$.

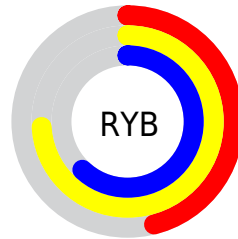
Distribution



Red (58%)

Green (74%)

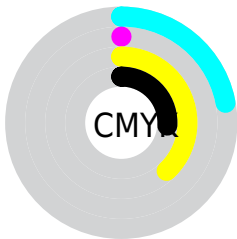
Blue (46%)



Red (46%)

Yellow (74%)

Blue (62%)

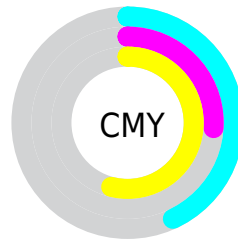


Cyan (22%)

Magenta (0%)

Yellow (38%)

Black (26%)



Cyan (43%)


Magenta (26%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 41.816, 130.174 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 72, 41.816, 130.174 by changing the saturation by 10% instead.


 72, 41.816,
130.174


 72, 41.816,
130.174


 100, 41.816,
130.174


 62, 41.816,
130.174


 92, 41.816,
130.174


 52, 41.816,
130.174

 42, 41.816,
130.174

 32, 41.816,
130.174

 22, 41.816,
130.174

 12, 41.816,
130.174

 2, 41.816, 130.174

■ 0, 41.816, 130.174

■ 72, 41.816,
130.174

■ 72, 41.816,
130.174

■ 71, 52.314,
129.707

■ 73, 30.988,
130.665

■ 70, 62.234,
129.313

■ 74, 19.998,
131.146

■ 70, 71.238,
129.077

■ 75, 8.967, 131.605

■ 69, 78.890,
129.111

■ 77, 2.020, 311.934

■ 68, 84.731,
129.544

■ 78, 12.901,
312.365

■ 68, 88.616,
130.404

■ 80, 23.634,
312.704

■ 81, 34.190,

■ 68, 89.246,
130.559

313.002

■ 82, 38.563,
316.640

■ 83, 40.101,
321.761

Harmonies

Complementary

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



72, 41.816, 130.174



56, 43.661, 313.643

Rectangle

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



72, 41.816, 130.174



72, 41.816, 180.174



72, 41.816, 310.174



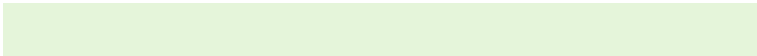
72, 41.816, 0.174

Sweetspot

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



72, 41.817, 130.175



95, 14.949, 131.468



67, 26.552, 78.874



50, 10.044, 131.407



98, 0.011, 296.813



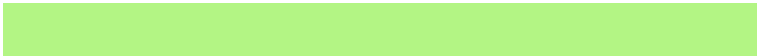
51, 0.007, 296.813

Same Dimension

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



72, 41.817, 130.175



90, 61.854, 129.770



70, 44.873, 143.866



39, 6.230, 131.551



58, 78.152, 130.351



9, 19.584, 135.550

Inverse Universe

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



56, 43.661, 313.643



66, 65.251, 314.032



59, 44.830, 328.944



37, 6.300, 312.307



26, 85.661, 314.092



2, 18.364, 307.980

Previews

White Background



This preview shows how the CIELCh color 72, 41.816, 130.174 looks on a white background.

Color Contrast Check

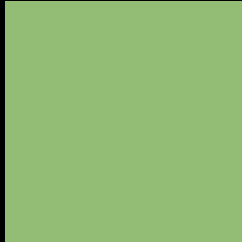
Large Text (above 18pt) WCAG AA × Fail

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 72, 41.816, 130.174 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 72, 41.816, 130.174

Background



This preview shows how black text looks on a background with the CIELCh color 72, 41.816, 130.174.



This preview shows how white text looks on a background with the CIELCh color 72, 41.816, 130.174.

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](#).

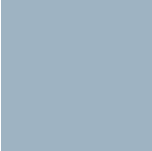
Dichromacy



Original Color
72, 41.816, 130.174

Protanopia
72, 34.985, 95.505

Deuteranopia
72, 31.488, 72.943



Tritanopia
72, 10.822, 248.266

Trichromacy



Original Color
72, 41.816, 130.174

Protanomaly
72, 35.755, 110.667

Deuteranomaly
71, 30.563, 97.632

Tritanomaly
72, 13.674, 158.781

Monochromacy



Original Color
72, 41.816, 130.174

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 15.357, 131.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 41.816, 130.174 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(147, 189, 117)` looks like.

```
.text, #text, p{  
    color:rgb(147, 189, 117)  
}
```

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(147, 189, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 189, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 41.816, 130.174 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(147, 189, 117) }
```

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

```
.border{ border-color:rgb(147, 189, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 189, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 189, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 189, 117);  
box-shadow:4px 4px 4px 4px rgb(147, 189,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 41.816, 130.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 189, 117) }
```

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

```
.background{ background-color: rgb(147,  
189, 117) }
```

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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