

Converting Colors

CIELCh(72, 40.963, 127.287)

Have a look what the booklet for
CIELCh(72, 40.963, 127.287)
contains.

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Color

CIELCh(72, 40.912, 127.288)

Conversions

Conversions Part 1

Format	Color
Hex	98BC74
RGB	152, 188, 116
RGB Percent	60%, 74%, 45%
CMY	0.4056, 0.2645, 0.5467
CMYK	0.19, 0.00, 0.38, 0.26
HSL	90°, 35%, 59%
HSV	90°, 38%, 74%
XYZ	33.8820, 43.6590, 23.0367
YIQ	169.0280, 1.6560, -30.0240

Conversions

Conversions Part 2

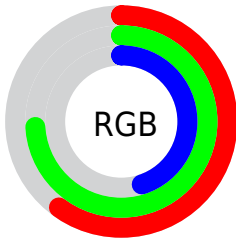
Format	Color
RYB	116, 188, 152
Decimal	10009716
CIELab	72.00, -24.79, 32.55
CIElCh	72, 40.912, 127.288
Yxy	43.6590, 0.3369, 0.4341
Android (android.graphics.Color)	4288199796 (0xFF98BC74)
YUV	169.0280, -26.1428, -14.9336
Hunter-Lab	66.0750, -24.0998, 25.5813

Details

The CIELCh color $72, 40.912, 127.288$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $55, 43.207, 310.971$, and the grayscale version is $69, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 40.669, 127.387$, and $52, 41.282, 127.042$ is the 20% darker color. If you saturate the color by 10%, you get $71, 51.090, 126.846$, and if you desaturate by 10%, it is $73, 30.402, 127.769$.

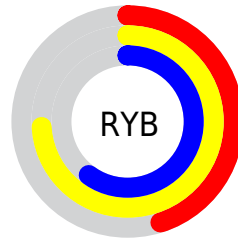
Distribution



Red (60%)

Green (74%)

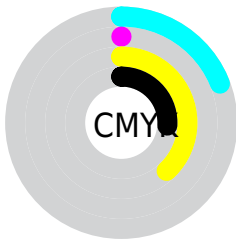
Blue (45%)



Red (45%)

Yellow (74%)

Blue (60%)

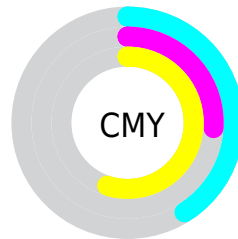


Cyan (19%)

Magenta (0%)

Yellow (38%)

Black (26%)



Cyan (41%)


Magenta (26%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 40.912, 127.288 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, 40.912, 127.288 by changing the saturation by 10% instead.

 72, 40.912,
127.288

 72, 40.912,
127.288


 100, 40.912,
127.288

 62, 40.912,
127.288


 92, 40.912,
127.288


 52, 40.912,
127.288

 42, 40.912,
127.288

 32, 40.912,
127.288

 22, 40.912,
127.288

 12, 40.912,
127.288

 2, 40.912, 127.288

■ 0, 40.912, 127.288

■ 72, 40.912,
127.288

■ 72, 40.912,
127.288

■ 71, 51.090,
126.846

■ 73, 30.402,
127.769

■ 70, 60.696,
126.494

■ 74, 19.717,
128.252

■ 70, 69.399,
126.316

■ 75, 8.974, 128.721

■ 69, 76.772,
126.426

■ 76, 1.749, 309.077

■ 69, 82.366,
126.948

■ 78, 12.394,
309.531

■ 68, 86.076,
127.910

■ 79, 22.923,
309.898

■ 80, 33.306,

■ 68, 86.617,
128.066

310.226

■ 81, 38.282,
312.966

■ 82, 39.389,
317.444

Harmonies

Complementary

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



72, 40.912, 127.288



55, 43.207, 310.971

Rectangle

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



72, 40.912, 127.288



72, 40.912, 177.288



72, 40.912, 307.288



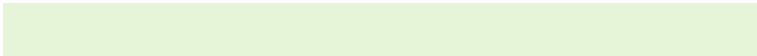
72, 40.912, 357.288

Sweetspot

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



72, 40.913, 127.289



95, 15.981, 128.543



65, 25.461, 70.674



50, 10.598, 128.482



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, 40.913, 127.289



91, 60.433, 126.913



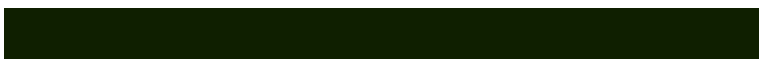
70, 47.518, 141.596



39, 6.105, 128.675



58, 76.176, 127.853



10, 19.129, 133.084

Inverse Universe

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



55, 43.207, 310.971



65, 64.690, 311.422



59, 47.444, 326.478



37, 6.188, 309.477



24, 87.184, 312.035



2, 18.078, 304.991

Previews

White Background



This preview shows how the CIELCh color 72, 40.912, 127.288 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 72, 40.912, 127.288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

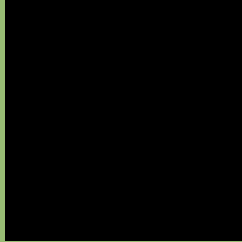
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 40.912, 127.288

Background



This preview shows how black text looks on a background with the CIELCh color 72, 40.912, 127.288.



This preview shows how white text looks on a background with the CIELCh color 72, 40.912, 127.288.

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, 40.912, 127.288

Protanopia

72, 35.494, 95.601

Deuteranopia

72, 31.947, 73.397



Tritanopia
72, 9.178, 255.585

Trichromacy



Original Color
72, 40.912, 127.288

Protanomaly
72, 35.713, 108.651

Deuteranomaly
71, 31.242, 96.191

Tritanomaly
72, 12.483, 150.710

Monochromacy



Original Color
72, 40.912, 127.288

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 15.050, 128.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 40.912, 127.288 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(152, 188, 116)` looks like.

```
.text, #text, p{  
    color:rgb(152, 188, 116)  
}
```

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(152, 188, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 188, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 40.912, 127.288 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(152, 188, 116) }
```

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

```
.border{ border-color:rgb(152, 188, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 188, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 188, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 188, 116); box-shadow:4px 4px 4px 4px rgb(152, 188, 116) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 40.912, 127.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 188, 116) }
```

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

```
.background{ background-color: rgb(152,  
188, 116) }
```

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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