

Converting Colors

CIELCh(72, 40.486, 127.607)

Have a look what the booklet for
CIELCh(72, 40.486, 127.607)
contains.

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Color

CIELCh(72, 41.062, 127.781)

Conversions

Conversions Part 1

Format	Color
Hex	97BC74
RGB	151, 188, 116
RGB Percent	59%, 74%, 45%
CMY	0.4089, 0.2638, 0.5461
CMYK	0.20, 0.00, 0.38, 0.26
HSL	91°, 35%, 60%
HSV	91°, 38%, 74%
XYZ	33.7757, 43.6590, 23.0924
YIQ	168.7290, 1.0600, -30.2360

Conversions

Conversions Part 2

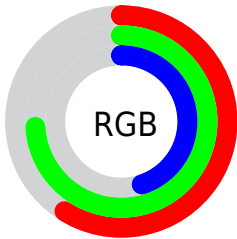
Format	Color
R _Y B	116, 188, 153
Decimal	9944180
CIE Lab	72.00, -25.16, 32.45
CIE LCh	72, 41.062, 127.781
Yxy	43.6590, 0.3360, 0.4343
Android (android.graphics.Color)	4288134260 (0xFF97BC74)
YUV	168.7290, -25.9954, -15.5483
Hunter-Lab	66.0750, -24.3869, 25.5314

Details

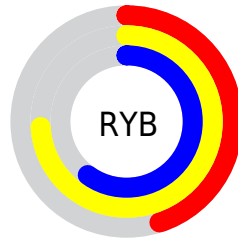
The CIELCh color **72, 41.062, 127.781** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55, 43.284, 311.416**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 40.808, 127.863**, and **52, 41.447, 127.551** is the 20% darker color. If you saturate the color by 10%, you get **71, 51.292, 127.337**, and if you desaturate by 10%, it is **73, 30.500, 128.262**.

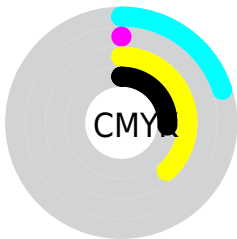
Distribution



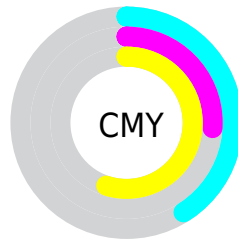
- Red (59%)
- Green (74%)
- Blue (45%)



- Red (45%)
- Yellow (74%)
- Blue (60%)



- Cyan (20%)
- Magenta (0%)
- Yellow (38%)
- Black (26%)





- Cyan (41%)
- Magenta (26%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 41.062, 127.781 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, 41.062, 127.781 by changing the saturation by 10% instead.


 72, 41.062,
127.781


 72, 41.062,
127.781


 100, 41.062,
127.781


 62, 41.062,
127.781


 92, 41.062,
127.781

 52, 41.062,
127.781

 42, 41.062,
127.781

 32, 41.062,
127.781

 22, 41.062,
127.781

 12, 41.062,
127.781

 2, 41.062, 127.781

■ 0, 41.062, 127.781

■ 72, 41.062,
127.781

■ 72, 41.062,
127.781

■ 71, 51.292,
127.337

■ 73, 30.500,
128.262

■ 70, 60.950,
126.981

■ 74, 19.767,
128.742

■ 70, 69.704,
126.796

■ 75, 8.978, 129.208

■ 69, 77.125,
126.898

■ 76, 1.787, 309.558

■ 69, 82.764,
127.410

■ 78, 12.470,
310.008

■ 68, 86.509,
128.361

■ 79, 23.031,
310.369

■ 80, 33.442,

■ 68, 87.065,
128.517

310.691

■ 82, 38.314,
313.571

■ 82, 39.487,
318.162

Harmonies

Complementary

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



72, 41.062, 127.781



55, 43.284, 311.416

Rectangle

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



72, 41.062, 127.781



72, 41.062, 177.781



72, 41.062, 307.781



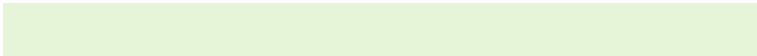
72, 41.062, 357.781

Sweetspot

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



72, 41.063, 127.782



95, 16.033, 129.031



65, 25.459, 70.677



50, 10.633, 128.970



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, 41.063, 127.782



91, 60.660, 127.403



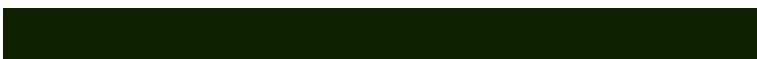
70, 47.519, 141.599



39, 6.125, 129.162



58, 76.513, 128.304



9, 19.207, 133.525

Inverse Universe

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



55, 43.284, 311.416



65, 64.776, 311.854



59, 47.445, 326.476



37, 6.206, 309.953



24, 86.928, 312.355



2, 18.120, 305.470

Previews

White Background



This preview shows how the CIELCh color 72, 41.062, 127.781 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, 41.062, 127.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

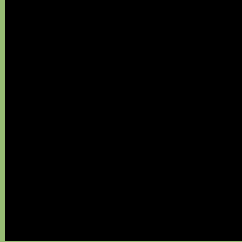
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 41.062, 127.781

Background



This preview shows how black text looks on a background with the CIELCh color 72, 41.062, 127.781.



This preview shows how white text looks on a background with the CIELCh color 72, 41.062, 127.781.

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](#).

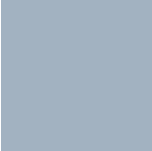
Dichromacy



Original Color
72, 41.062, 127.781

Protanopia
72, 35.494, 95.601

Deuteranopia
72, 31.947, 73.397



Tritanopia
72, 9.804, 255.856

Trichromacy



Original Color
72, 41.062, 127.781

Protanomaly
72, 35.713, 108.651

Deuteranomaly
71, 31.159, 96.956

Tritanomaly
72, 12.979, 153.042

Monochromacy



Original Color
72, 41.062, 127.781

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 15.066, 128.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 41.062, 127.781 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(151, 188, 116)` looks like.

```
.text, #text, p{  
    color:rgb(151, 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(151, 188, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 188, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 41.062, 127.781 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(151, 188, 116) }
```

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

```
.border{ border-color:rgb(151, 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(151, 188, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 188, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 188, 116); box-shadow:4px 4px 4px 4px rgb(151, 188, 116) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 41.062, 127.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 188, 116) }
```

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

```
.background{ background-color: rgb(151,  
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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