

Converting Colors

CIELCh(72, 31.031, 135.243)

Have a look what the booklet for
CIELCh(72, 31.031, 135.243)
contains.

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Color

CIELCh(72, 31.061, 135.236)

Conversions

Conversions Part 1

Format	Color
Hex	96BB88
RGB	150, 187, 136
RGB Percent	59%, 73%, 53%
CMY	0.4128, 0.2677, 0.4676
CMYK	0.20, 0.00, 0.27, 0.27
HSL	104°, 27%, 63%
HSV	104°, 27%, 73%
XYZ	34.6712, 43.6590, 29.7995
YIQ	170.1230, -5.6810, -23.7050

Conversions

Conversions Part 2

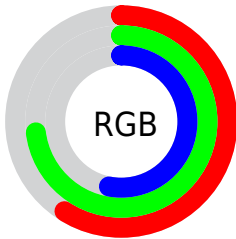
Format	Color
RYB	136, 187, 173
Decimal	9878408
CIELab	72.00, -22.05, 21.87
CIELCh	72, 31.061, 135.236
Yxy	43.6590, 0.3206, 0.4038
Android (android.graphics.Color)	4288068488 (0xFF96BB88)
YUV	170.1230, -16.8226, -17.6479
Hunter-Lab	66.0750, -21.9677, 19.5129

Details

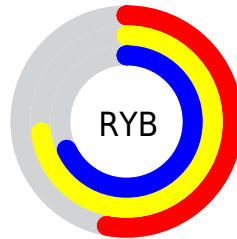
The CIELCh color **72, 31.061, 135.236** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **62, 31.632, 317.697**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 30.654, 135.250**, and **52, 31.253, 135.526** is the 20% darker color. If you saturate the color by 10%, you get **71, 42.308, 134.672**, and if you desaturate by 10%, it is **73, 19.671, 135.764**.

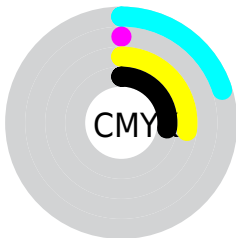
Distribution



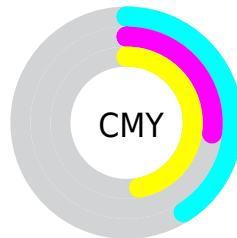
- Red (59%)
- Green (73%)
- Blue (53%)



- Red (53%)
- Yellow (73%)
- Blue (68%)



- Cyan (20%)
- Magenta (0%)
- Yellow (27%)
- Black (27%)





- Cyan (41%)
- Magenta (27%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 31.061, 135.236 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, 31.061, 135.236 by changing the saturation by 10% instead.


 72, 31.061,
135.236


 72, 31.061,
135.236


 100, 31.061,
135.236


 62, 31.061,
135.236


 92, 31.061,
135.236

 52, 31.061,
135.236

 42, 31.061,
135.236

 32, 31.061,
135.236

 22, 31.061,
135.236

 12, 31.061,
135.236

 2, 31.061, 135.236

■ 0, 31.061, 135.236

■ 72, 31.061,
135.236

■ 72, 31.061,
135.236

■ 71, 42.308,
134.672

■ 73, 19.671,
135.764

■ 70, 53.218,
134.092

■ 75, 8.268, 136.248

■ 69, 63.531,
133.541

■ 76, 3.046, 316.587

■ 68, 72.896,
133.095

■ 78, 14.203,
317.000

■ 68, 80.864,
132.864

■ 80, 25.156,
317.323

■ 67, 86.955,
132.974

■ 81, 35.873,
317.600

■ 83, 41.107,

■ 67, 90.925,
133.479

321.453

■ 67, 91.813,
133.606

■ 84, 42.787,
325.907

Harmonies

Complementary

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



72, 31.061, 135.236



62, 31.632, 317.697

Rectangle

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



72, 31.061, 135.236



72, 31.061, 185.236



72, 31.061, 315.236



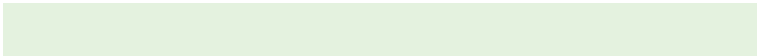
72, 31.061, 5.236

Sweetspot

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



72, 31.063, 135.237



94, 11.194, 136.209



71, 20.713, 91.548



50, 8.027, 136.137



98, 0.011, 296.813



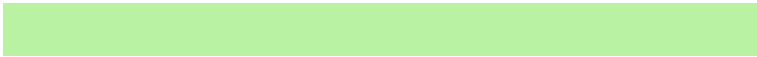
51, 0.007, 296.813

Same Dimension

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



72, 31.063, 135.237



90, 46.316, 134.888



71, 29.069, 149.089



39, 6.478, 136.151



57, 81.022, 133.453



9, 20.284, 138.889

Inverse Universe

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



62, 31.632, 317.697



75, 47.353, 317.964



63, 29.217, 332.876



37, 6.526, 316.912



30, 83.340, 318.290



2, 19.073, 313.598

Previews

White Background



This preview shows how the CIELCh color 72, 31.061, 135.236 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, 31.061, 135.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

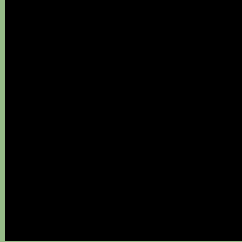
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 31.061, 135.236

Background



This preview shows how black text looks on a background with the CIELCh color 72, 31.061, 135.236.



This preview shows how white text looks on a background with the CIELCh color 72, 31.061, 135.236.

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](#).

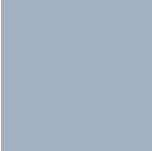
Dichromacy



Original Color
72, 31.061, 135.236

Protanopia
72, 24.881, 95.278

Deuteranopia
72, 21.833, 65.771



Tritanopia
72, 10.216, 247.521

Trichromacy



Original Color
72, 31.061, 135.236

Protanomaly
72, 25.345, 112.274

Deuteranomaly
71, 20.436, 96.668

Tritanomaly
72, 11.086, 169.110

Monochromacy



Original Color
72, 31.061, 135.236

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 11.039, 136.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 31.061, 135.236 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(150, 187, 136)` looks like.

```
.text, #text, p{  
    color:rgb(150, 187, 136)  
}
```

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(150, 187, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 187, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 31.061, 135.236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

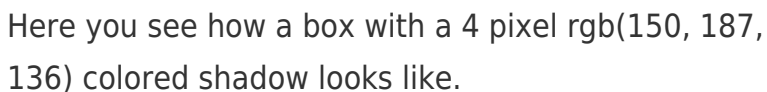
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 187, 136) }
```

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

```
.border{ border-color:rgb(150, 187, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(150, 187, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 187, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 187, 136);  
box-shadow:4px 4px 4px 4px rgb(150, 187,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 31.061, 135.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 187, 136) }
```

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

```
.background{ background-color: rgb(150,  
187, 136) }
```

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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