

Converting Colors

CIELCh(72, 31.256, 150.221)

Have a look what the booklet for
CIELCh(72, 31.256, 150.221)
contains.

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Color

CIELCh(72, 31.056, 150.047)

Conversions

Conversions Part 1

Format	Color
Hex	85BD93
RGB	133, 189, 147
RGB Percent	52%, 74%, 58%
CMY	0.4772, 0.2576, 0.4223
CMYK	0.30, 0.00, 0.22, 0.26
HSL	135°, 30%, 63%
HSV	135°, 30%, 74%
XYZ	33.2770, 43.6590, 34.4014
YIQ	167.4680, -19.8940, -24.9340

Conversions

Conversions Part 2

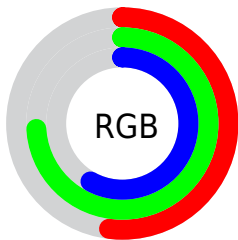
Format	Color
RYB	133, 178, 189
Decimal	8764819
CIELab	72.00, -26.91, 15.51
CIELCh	72, 31.056, 150.047
Yxy	43.6590, 0.2989, 0.3921
Android (android.graphics.Color)	4286954899 (0xFF85BD93)
YUV	167.4680, -10.0907, -30.2284
Hunter-Lab	66.0750, -25.7341, 15.3837

Details

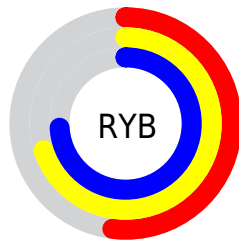
The CIELCh color **72, 31.056, 150.047** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **62, 31.276, 334.328**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 31.464, 150.074**, and **52, 31.035, 150.106** is the 20% darker color. If you saturate the color by 10%, you get **71, 41.326, 149.019**, and if you desaturate by 10%, it is **73, 20.572, 150.939**.

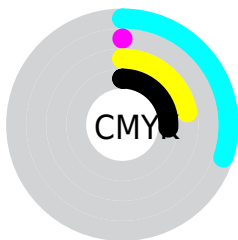
Distribution



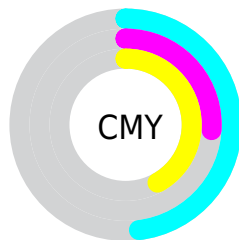
- Red (52%)
- Green (74%)
- Blue (58%)



- Red (52%)
- Yellow (70%)
- Blue (74%)



- Cyan (30%)
- Magenta (0%)
- Yellow (22%)
- Black (26%)





- Cyan (48%)
- Magenta (26%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 31.056, 150.047 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, 31.056, 150.047 by changing the saturation by 10% instead.


 72, 31.056,
150.047


 72, 31.056,
150.047


 100, 31.056,
150.047


 62, 31.056,
150.047


 92, 31.056,
150.047

 52, 31.056,
150.047

 42, 31.056,
150.047

 32, 31.056,
150.047

 22, 31.056,
150.047

 12, 31.056,
150.047

 2, 31.056, 150.047

0, 31.056, 150.047

72, 31.056,
150.047

72, 31.056,
150.047

71, 41.326,
149.019

73, 20.572,
150.939

70, 51.189,
147.835

75, 10.032,
151.724

69, 60.435,
146.482

77, 0.437, 331.651

68, 68.855,
144.957

79, 10.738,
332.916

68, 76.252,
143.280

81, 20.805,
333.444

67, 82.471,
141.501

83, 30.593,
333.904

■ 67, 87.476,
139.766

■ 84, 37.794,
329.624

■ 67, 87.664,
139.703

■ 84, 41.180,
325.853

Harmonies

Complementary

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



72, 31.056, 150.047



62, 31.276, 334.328

Rectangle

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



72, 31.056, 150.047



72, 31.056, 200.047



72, 31.056, 330.047



72, 31.056, 20.047

Sweetspot

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



72, 31.057, 150.047



95, 11.698, 151.756



75, 30.258, 117.373



51, 8.202, 151.646



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 31.057, 150.047



90, 46.800, 149.342



73, 21.490, 175.454



39, 5.913, 151.741



57, 76.247, 139.967



9, 19.167, 149.554

Inverse Universe

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



62, 31.276, 334.328



76, 47.124, 334.849



62, 23.700, 1.573



37, 5.937, 332.906



35, 66.919, 341.155



3, 16.812, 336.951

Previews

White Background



This preview shows how the CIELCh color 72, 31.056, 150.047 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, 31.056, 150.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

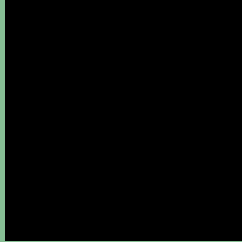
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 31.056, 150.047

Background



This preview shows how black text looks on a background with the CIELCh color 72, 31.056, 150.047.



This preview shows how white text looks on a background with the CIELCh color 72, 31.056, 150.047.

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

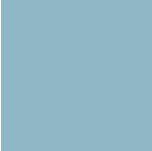
72, 31.056, 150.047

Protanopia

72, 19.049, 93.518

Deuteranopia

72, 15.936, 55.383



Tritanopia
72, 15.279, 228.606

Trichromacy



Original Color
72, 31.056, 150.047

Protanomaly
71, 20.652, 122.632

Deuteranomaly
71, 14.092, 108.770

Tritanomaly
72, 16.583, 186.672

Monochromacy



Original Color
72, 31.056, 150.047

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 11.882, 151.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 31.056, 150.047 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(133, 189, 147)` looks like.

```
.text, #text, p{  
    color:rgb(133, 189, 147)  
}
```

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(133, 189, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 189, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 31.056, 150.047 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(133, 189, 147) }
```

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

```
.border{ border-color:rgb(133, 189, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 189, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 189, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 189, 147);  
box-shadow:4px 4px 4px 4px rgb(133, 189,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 31.056, 150.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 189, 147) }
```

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

```
.background{ background-color: rgb(133,  
189, 147) }
```

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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