

Converting Colors

CIELCh(72, 13.928, 161.491)

Have a look what the booklet for
CIELCh(72, 13.928, 161.491)
contains.

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Color

CIELCh(72, 13.585, 161.426)

Conversions

Conversions Part 1

Format	Color
Hex	9AB7A8
RGB	154, 183, 168
RGB Percent	60%, 72%, 66%
CMY	0.3954, 0.2817, 0.3405
CMYK	0.16, 0.00, 0.08, 0.28
HSL	149°, 17%, 66%
HSV	149°, 16%, 72%
XYZ	37.4121, 43.6590, 43.5848
YIQ	172.6190, -12.4690, -10.8130

Conversions

Conversions Part 2

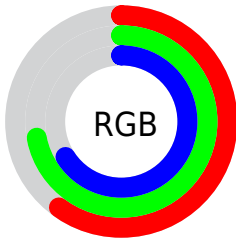
Format	Color
RYB	154, 174, 183
Decimal	10139560
CIELab	72.00, -12.88, 4.33
CIELCh	72, 13.585, 161.426
Yxy	43.6590, 0.3001, 0.3502
Android (android.graphics.Color)	4288329640 (0xFF9AB7A8)
YUV	172.6190, -2.2772, -16.3289
Hunter-Lab	66.0750, -14.5633, 7.1432

Details

The CIELCh color $72, 13.585, 161.426$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $67, 13.837, 344.032$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 13.529, 160.886$, and $52, 13.468, 160.948$ is the 20% darker color. If you saturate the color by 10%, you get $71, 22.095, 160.446$, and if you desaturate by 10%, it is $74, 5.000, 162.338$.

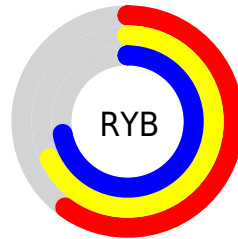
Distribution



Red (60%)

Green (72%)

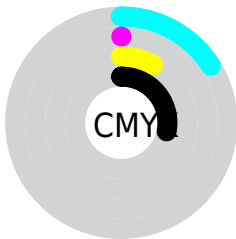
Blue (66%)



Red (60%)

Yellow (68%)

Blue (72%)

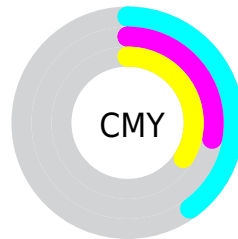


Cyan (16%)

Magenta (0%)

Yellow (8%)

Black (28%)



Cyan (40%)


Magenta (28%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 13.585, 161.426 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, 13.585, 161.426 by changing the saturation by 10% instead.


 72, 13.585,
161.426


 72, 13.585,
161.426


 100, 13.585,
161.426


 62, 13.585,
161.426


 92, 13.585,
161.426

 52, 13.585,
161.426

 42, 13.585,
161.426

 32, 13.585,
161.426

 22, 13.585,
161.426

 12, 13.585,
161.426

 2, 13.585, 161.426

0, 13.585, 161.426

72, 13.585,
161.426

72, 13.585,
161.426

71, 22.095,
160.446

74, 5.000, 162.338

69, 30.406,
159.356

75, 3.566, 342.942

68, 38.383,
158.126

77, 12.035,
343.730

68, 45.880,
156.732

79, 20.349,
344.398

67, 52.760,
155.151

81, 28.471,
345.009

66, 58.915,
153.365

82, 33.865,
341.822

82, 37.010,

■ 66, 64.284,
151.372

335.712

■ 66, 68.882,
149.196

■ 83, 40.540,
330.690

■ 65, 70.671,
148.307

■ 83, 44.356,
326.579

Harmonies

Complementary

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



72, 13.585, 161.426



67, 13.837, 344.032

Rectangle

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



72, 13.585, 161.426



72, 13.585, 211.426



72, 13.585, 341.426



72, 13.585, 31.426

Sweetspot

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



72, 13.587, 161.424



93, 5.283, 162.411



73, 16.539, 127.176



50, 3.635, 162.343



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



72, 13.587, 161.424



90, 20.096, 161.095



72, 10.405, 195.702



38, 4.869, 162.016



56, 62.225, 148.621



8, 14.603, 156.929

Inverse Universe

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



67, 13.837, 344.032



82, 20.544, 344.358



66, 11.441, 17.791



36, 4.926, 343.444



33, 58.856, 359.774



3, 12.330, 349.795

Previews

White Background



This preview shows how the CIELCh color 72, 13.585, 161.426 looks on a white background.

Color Contrast Check

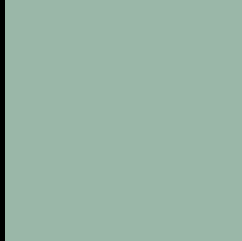
Large Text (above 18pt) WCAG AA × Fail

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, 13.585, 161.426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

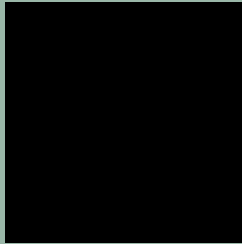
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

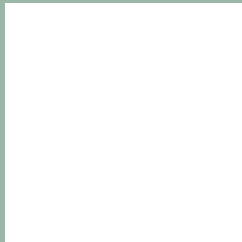
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 13.585, 161.426

Background



This preview shows how black text looks on a background with the CIELCh color 72, 13.585, 161.426.

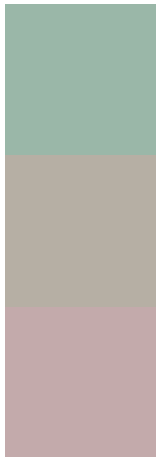


This preview shows how white text looks on a background with the CIELCh color 72, 13.585, 161.426.

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](#).

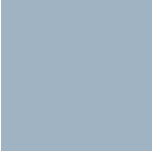
Dichromacy



Original Color
72, 13.585, 161.426

Protanopia
72, 6.540, 85.148

Deuteranopia
72, 9.642, 16.988



Tritanopia
72, 10.605, 249.655

Trichromacy



Original Color
72, 13.585, 161.426

Protanomaly
72, 6.919, 128.793

Deuteranomaly
72, 3.299, 74.652

Tritanomaly
72, 8.783, 213.203

Monochromacy



Original Color
72, 13.585, 161.426

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 5.286, 160.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 13.585, 161.426 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(154, 183, 168)` looks like.

```
.text, #text, p{  
    color:rgb(154, 183, 168)  
}
```

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(154, 183, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 183, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 13.585, 161.426 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(154, 183, 168) }
```

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

```
.border{ border-color:rgb(154, 183, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 183, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 183, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 183, 168);  
box-shadow:4px 4px 4px 4px rgb(154, 183,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 13.585, 161.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 183, 168) }
```

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

```
.background{ background-color: rgb(154,  
183, 168) }
```

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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