

Converting Colors

CIELCh(68, 21.855, 161.523)

Have a look what the booklet for
CIELCh(68, 21.855, 161.523)
contains.

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Color

CIELCh(68, 21.624, 161.818)

Conversions

Conversions Part 1

Format	Color
Hex	81B099
RGB	129, 176, 153
RGB Percent	51%, 69%, 60%
CMY	0.4945, 0.3101, 0.4003
CMYK	0.27, 0.00, 0.13, 0.31
HSL	151°, 23%, 60%
HSV	151°, 27%, 69%
XYZ	30.2897, 37.9720, 35.8314
YIQ	159.3250, -20.6290, -17.1170

Conversions

Conversions Part 2

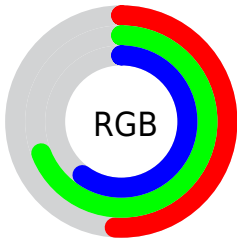
Format	Color
RYB	129, 160, 176
Decimal	8499353
CIELab	68.00, -20.54, 6.75
CIElCh	68, 21.624, 161.818
Yxy	37.9720, 0.2910, 0.3648
Android (android.graphics.Color)	4286689433 (0xFF81B099)
YUV	159.3250, -3.1182, -26.5950
Hunter-Lab	61.6215, -20.0969, 8.6593

Details

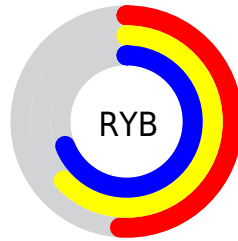
The CIELCh color **68, 21.624, 161.818** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 22.384, 346.653**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 21.813, 161.253**, and **48, 21.535, 162.073** is the 20% darker color. If you saturate the color by 10%, you get **67, 29.447, 160.707**, and if you desaturate by 10%, it is **69, 13.592, 162.814**.

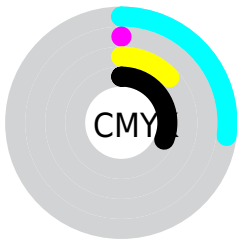
Distribution



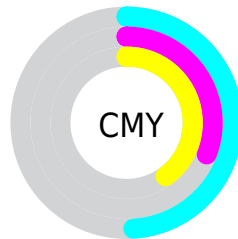
- Red (51%)
- Green (69%)
- Blue (60%)



- Red (51%)
- Yellow (63%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (13%)
- Black (31%)





- Cyan (49%)
- Magenta (31%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 21.624, 161.818 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 68, 21.624, 161.818 by changing the saturation by 10% instead.


 68, 21.624,
161.818


 68, 21.624,
161.818


 100, 21.624,
161.818


 58, 21.624,
161.818


 88, 21.624,
161.818

 48, 21.624,
161.818

 98, 21.624,
161.818

 38, 21.624,
161.818

 28, 21.624,
161.818

 18, 21.624,
161.818

 8, 21.624, 161.818

 0, 21.624, 161.818

■ 68, 21.624,
161.818

■ 68, 21.624,
161.818

■ 67, 29.447,
160.707

■ 69, 13.592,
162.814

■ 66, 36.926,
159.460

■ 71, 5.461, 163.744

■ 65, 43.928,
158.051

■ 72, 2.670, 344.343

■ 64, 50.327,
156.456

■ 74, 10.726,
345.186

■ 64, 56.026,
154.658

■ 76, 18.651,
345.881

■ 63, 60.977,
152.651

■ 78, 26.405,
346.518


■ 63, 65.219,
150.469

■ 80, 33.962,
347.111

■ 63, 66.542,

■ 80, 37.231,
342.242

149.774

 81, 40.019,
337.051

Harmonies

Complementary

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



68, 21.624, 161.818



59, 22.384, 346.653

Rectangle

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



68, 21.624, 161.818



68, 21.624, 211.818



68, 21.624, 341.818



68, 21.624, 31.818

Sweetspot

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



68, 21.625, 161.817



90, 8.076, 163.611



69, 27.184, 127.851



47, 5.735, 163.474



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 21.625, 161.817



86, 32.000, 161.184



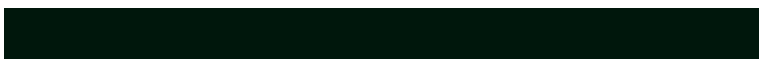
69, 16.320, 198.089



36, 4.551, 163.504



55, 58.929, 150.087



6, 10.277, 159.557

Inverse Universe

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



59, 22.384, 346.653



72, 33.358, 347.300



58, 19.495, 21.487



34, 4.610, 344.952



32, 57.148, 2.242



2, 9.082, 349.375

Previews

White Background



This preview shows how the CIELCh color 68, 21.624, 161.818 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 68, 21.624, 161.818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

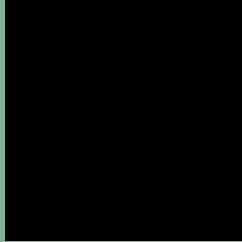
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 21.624, 161.818

Background



This preview shows how black text looks on a background with the CIELCh color 68, 21.624, 161.818.

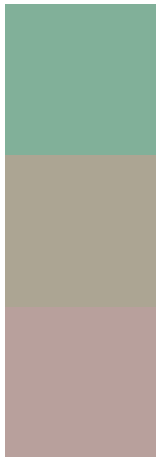


This preview shows how white text looks on a background with the CIELCh color 68, 21.624, 161.818.

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
68, 21.624, 161.818

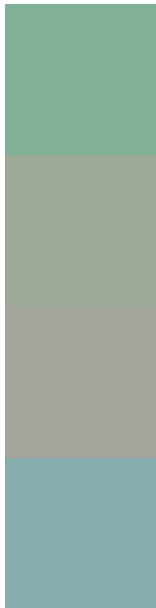
Protanopia
68, 10.249, 93.403

Deuteranopia
68, 9.713, 33.186



Tritanopia
68, 14.310, 231.379

Trichromacy



Original Color
68, 21.624, 161.818

Protanomaly
68, 12.116, 133.644

Deuteranomaly
68, 6.093, 116.840

Tritanomaly
68, 14.109, 198.259

Monochromacy



Original Color
68, 21.624, 161.818

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 7.848, 164.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 21.624, 161.818 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(129, 176, 153)` looks like.

```
.text, #text, p{  
    color:rgb(129, 176, 153)  
}
```

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(129, 176, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 176, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 21.624, 161.818 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(129, 176, 153) }
```

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

```
.border{ border-color:rgb(129, 176, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 176, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 176, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 176, 153);  
box-shadow:4px 4px 4px 4px rgb(129, 176,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 21.624, 161.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 176, 153) }
```

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

```
.background{ background-color: rgb(129,  
176, 153) }
```

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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