

Converting Colors

CIELCh(68, 24.955, 153.642)

Have a look what the booklet for
CIELCh(68, 24.955, 153.642)
contains.

CIELCh(68, 25.310, 153.499)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(68, 25.310, 153.499)

Conversions

Conversions Part 1

Format	Color
Hex	81B191
RGB	129, 177, 145
RGB Percent	51%, 69%, 57%
CMY	0.4955, 0.3073, 0.4328
CMYK	0.27, 0.00, 0.18, 0.31
HSL	140°, 23%, 60%
HSV	140°, 27%, 69%
XYZ	29.7327, 37.9720, 32.4075
YIQ	159.0000, -18.3360, -20.1280

Conversions

Conversions Part 2

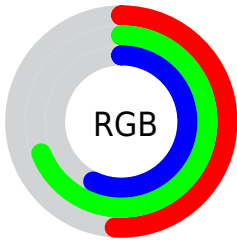
Format	Color
RYB	129, 165, 177
Decimal	8499601
CIELab	68.00, -22.65, 11.29
CIELCh	68, 25.310, 153.499
Yxy	37.9720, 0.2970, 0.3793
Android (android.graphics.Color)	4286689681 (0xFF81B191)
YUV	159.0000, -6.9020, -26.3100
Hunter-Lab	61.6215, -21.7103, 11.9537

Details

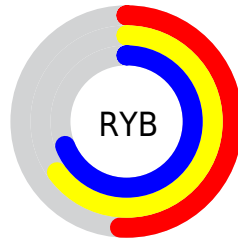
The CIELCh color **68, 25.310, 153.499** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59, 25.635, 337.666**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 25.317, 153.446**, and **48, 25.051, 154.099** is the 20% darker color. If you saturate the color by 10%, you get **67, 34.452, 152.470**, and if you desaturate by 10%, it is **69, 16.002, 154.400**.

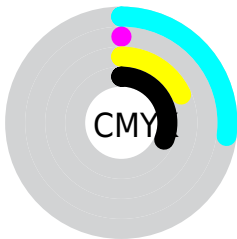
Distribution



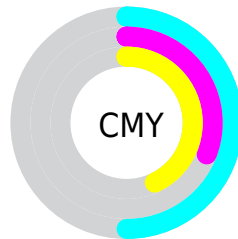
- Red (51%)
- Green (69%)
- Blue (57%)



- Red (51%)
- Yellow (65%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (18%)
- Black (31%)



- Cyan (50%)
- Magenta (31%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 25.310, 153.499 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, 25.310, 153.499 by changing the saturation by 10% instead.

 68, 25.310,
153.499

 68, 25.310,
153.499

 100, 25.310,
153.499

 58, 25.310,
153.499

 88, 25.310,
153.499

 48, 25.310,
153.499

 98, 25.310,
153.499

 38, 25.310,
153.499

 28, 25.310,
153.499

 18, 25.310,
153.499

 8, 25.310, 153.499

 0, 25.310, 153.499

■ 68, 25.310,
153.499

■ 68, 25.310,
153.499

■ 67, 34.452,
152.470

■ 69, 16.002,
154.400

■ 66, 43.271,
151.293

■ 71, 6.656, 155.212

■ 65, 51.599,
149.944

■ 73, 2.622, 335.735

■ 64, 59.270,
148.410

■ 74, 11.753,
336.443

■ 64, 66.137,
146.687

■ 76, 20.681,
337.005

■ 63, 72.096,
144.796

■ 78, 29.369,
337.504


■ 63, 77.125,
142.810

■ 81, 37.795,
337.956

■ 63, 78.439,

■ 81, 42.615,
332.758

142.286

 82, 47.232,
327.719

Harmonies

Complementary

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



68, 25.310, 153.499



59, 25.635, 337.666

Rectangle

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



68, 25.310, 153.499



68, 25.310, 203.499



68, 25.310, 333.499



68, 25.310, 23.499

Sweetspot

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



68, 25.311, 153.498



89, 9.196, 155.135



70, 26.730, 121.569



47, 6.534, 155.017



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, 25.311, 153.498



85, 37.936, 152.857



69, 17.659, 183.464



37, 5.310, 155.040



55, 70.152, 142.541



7, 13.564, 152.626

Inverse Universe

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



59, 25.635, 337.666



72, 38.488, 338.203



59, 19.955, 8.673



35, 5.342, 336.282



33, 61.945, 347.048



2, 11.879, 340.592

Previews

White Background



This preview shows how the CIELCh color 68, 25.310, 153.499 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, 25.310, 153.499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

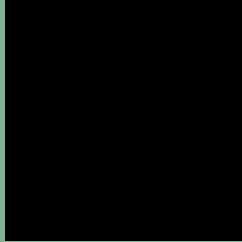
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 25.310, 153.499

Background



This preview shows how black text looks on a background with the CIELCh color 68, 25.310, 153.499.



This preview shows how white text looks on a background with the CIELCh color 68, 25.310, 153.499.

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](#).

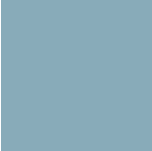
Dichromacy



Original Color
68, 25.310, 153.499

Protanopia
68, 14.703, 94.349

Deuteranopia
68, 12.821, 48.193



Tritanopia
68, 14.045, 232.096

Trichromacy



Original Color
68, 25.310, 153.499

Protanomaly
68, 15.951, 124.426

Deuteranomaly
67, 9.886, 106.855

Tritanomaly
68, 14.365, 191.579

Monochromacy



Original Color
68, 25.310, 153.499

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 8.934, 155.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 25.310, 153.499 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, 177, 145)` looks like.

```
.text, #text, p{  
    color:rgb(129, 177, 145)  
}
```

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, 177, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 177, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 25.310, 153.499 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, 177, 145) }
```

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

```
.border{ border-color:rgb(129, 177, 145) }
```

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

Here you see how a box with a 4 pixel rgb(129, 177, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 177, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 177, 145);  
box-shadow:4px 4px 4px 4px rgb(129, 177,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 25.310, 153.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 177, 145) }
```

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

```
.background{ background-color: rgb(129,  
177, 145) }
```

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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