

Converting Colors

CIELCh(68, 29.709, 143.842)

Have a look what the booklet for
CIELCh(68, 29.709, 143.842)
contains.

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Color

CIELCh(68, 29.980, 143.875)

Conversions

Conversions Part 1

Format	Color
Hex	83B185
RGB	131, 177, 133
RGB Percent	51%, 69%, 52%
CMY	0.4862, 0.3058, 0.4784
CMYK	0.26, 0.00, 0.25, 0.31
HSL	123°, 23%, 60%
HSV	123°, 26%, 69%
XYZ	29.3233, 37.9720, 27.9801
YIQ	158.2300, -13.2920, -23.4360

Conversions

Conversions Part 2

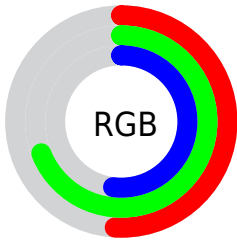
Format	Color
RYB	131, 175, 177
Decimal	8630661
CIELab	68.00, -24.22, 17.67
CIELCh	68, 29.980, 143.875
Yxy	37.9720, 0.3078, 0.3986
Android (android.graphics.Color)	4286820741 (0xFF83B185)
YUV	158.2300, -12.4384, -23.8807
Hunter-Lab	61.6215, -22.8963, 16.2136

Details

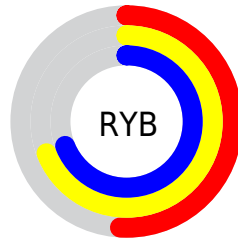
The CIELCh color $68, 29.980, 143.875$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $61, 29.999, 327.052$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 30.172, 143.660$, and $48, 30.010, 143.819$ is the 20% darker color. If you saturate the color by 10%, you get $67, 41.373, 142.987$, and if you desaturate by 10%, it is $69, 18.413, 144.643$.

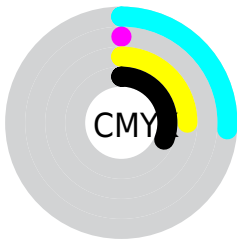
Distribution



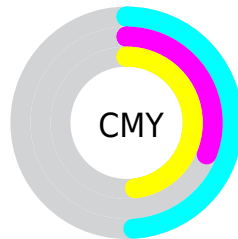
- Red (51%)
- Green (69%)
- Blue (52%)



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



- Cyan (26%)
- Magenta (0%)
- Yellow (25%)
- Black (31%)





- Cyan (49%)
- Magenta (31%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 29.980, 143.875 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, 29.980, 143.875 by changing the saturation by 10% instead.


 68, 29.980,
143.875


 68, 29.980,
143.875


 100, 29.980,
143.875


 58, 29.980,
143.875


 88, 29.980,
143.875

 48, 29.980,
143.875

 98, 29.980,
143.875

 38, 29.980,
143.875

 28, 29.980,
143.875

 18, 29.980,
143.875

 8, 29.980, 143.875

 0, 29.980, 143.875

68, 29.980,
143.875

68, 29.980,
143.875

67, 41.373,
142.987

69, 18.413,
144.643

66, 52.350,
141.972

71, 6.853, 145.317

65, 62.618,
140.843

73, 4.565, 325.782

64, 71.831,
139.639

75, 15.744,
326.292

63, 79.596,
138.440

77, 26.624,
326.699

63, 85.513,
137.367

79, 37.170,
327.045

63, 89.285,
136.560

82, 47.363,
327.341

63, 90.270,

82, 48.803,
326.111

Harmonies

Complementary

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



68, 29.980, 143.875



61, 29.999, 327.052

Rectangle

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



68, 29.980, 143.875



68, 29.980, 193.875



68, 29.980, 323.875



68, 29.980, 13.875

Sweetspot

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



68, 29.981, 143.875



89, 11.328, 145.177



71, 24.803, 109.143



47, 8.051, 145.079



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, 29.981, 143.875



85, 44.115, 143.398



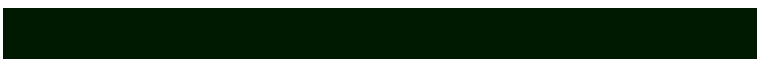
69, 20.786, 163.119



37, 6.543, 145.098



55, 80.930, 136.457



6, 15.892, 145.350

Inverse Universe

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



61, 29.999, 327.052



74, 44.112, 327.355



60, 21.580, 347.895



35, 6.554, 326.115



36, 76.321, 330.012



3, 15.544, 326.262

Previews

White Background



This preview shows how the CIELCh color 68, 29.980, 143.875 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, 29.980, 143.875 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, 29.980, 143.875

Background



This preview shows how black text looks on a background with the CIELCh color 68, 29.980, 143.875.

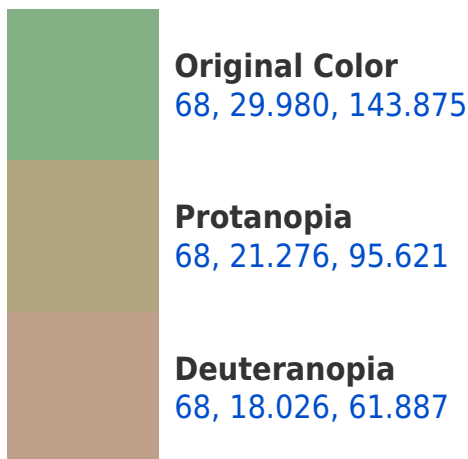


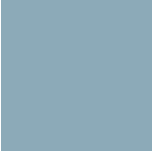
This preview shows how white text looks on a background with the CIELCh color 68, 29.980, 143.875.

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





Tritanopia
68, 12.742, 236.186

Trichromacy



Original Color
68, 29.980, 143.875

Protanomaly
68, 22.113, 117.428

Deuteranomaly
68, 16.458, 104.230

Tritanomaly
68, 13.888, 179.696

Monochromacy



Original Color
68, 29.980, 143.875

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 11.053, 145.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 29.980, 143.875 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(131, 177, 133)` looks like.

```
.text, #text, p{  
    color:rgb(131, 177, 133)  
}
```

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(131, 177, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 177, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 29.980, 143.875 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(131, 177, 133) }
```

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

```
.border{ border-color:rgb(131, 177, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 177, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 177, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 177, 133);  
box-shadow:4px 4px 4px 4px rgb(131, 177,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 29.980, 143.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 177, 133) }
```

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

```
.background{ background-color: rgb(131,  
177, 133) }
```

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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