

Converting Colors

CIELCh(68, 27.296, 144.173)

Have a look what the booklet for
CIELCh(68, 27.296, 144.173)
contains.

CIELCh(68, 27.325, 144.163)	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, 27.325, 144.163)

Conversions

Conversions Part 1

Format	Color
Hex	86B088
RGB	134, 176, 136
RGB Percent	53%, 69%, 53%
CMY	0.4739, 0.3092, 0.4661
CMYK	0.24, 0.00, 0.23, 0.31
HSL	123°, 21%, 61%
HSV	123°, 24%, 69%
XYZ	29.8639, 37.9720, 29.1014
YIQ	158.8820, -12.1920, -21.3440

Conversions

Conversions Part 2

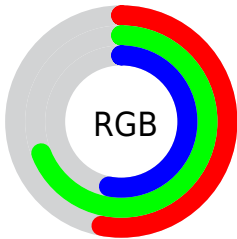
Format	Color
RYB	134, 174, 176
Decimal	8827016
CIELab	68.00, -22.15, 16.00
CIELCh	68, 27.325, 144.163
Yxy	37.9720, 0.3081, 0.3917
Android (android.graphics.Color)	4287017096 (0xFF86B088)
YUV	158.8820, -11.2808, -21.8215
Hunter-Lab	61.6215, -21.3302, 15.1347

Details

The CIELCh color $68, 27.325, 144.163$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $61, 27.348, 327.052$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 27.635, 143.836$, and $48, 27.228, 144.279$ is the 20% darker color. If you saturate the color by 10%, you get $67, 38.697, 143.301$, and if you desaturate by 10%, it is $70, 15.825, 144.908$.

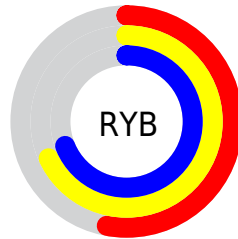
Distribution



Red (53%)

Green (69%)

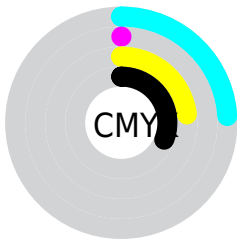
Blue (53%)



Red (53%)

Yellow (68%)

Blue (69%)

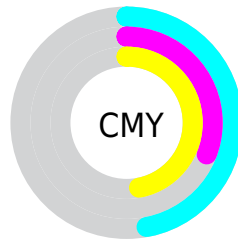


Cyan (24%)

Magenta (0%)

Yellow (23%)

Black (31%)



Cyan (47%)


Magenta (31%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 27.325, 144.163 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, 27.325, 144.163 by changing the saturation by 10% instead.

 68, 27.325,
144.163


 68, 27.325,
144.163

 100, 27.325,
144.163


 58, 27.325,
144.163


 88, 27.325,
144.163

 48, 27.325,
144.163

 98, 27.325,
144.163

 38, 27.325,
144.163

 28, 27.325,
144.163

 18, 27.325,
144.163

 8, 27.325, 144.163

 0, 27.325, 144.163

68, 27.325,
144.163

68, 27.325,
144.163

67, 38.697,
143.301

70, 15.825,
144.908

66, 49.713,
142.311

71, 4.363, 145.579

65, 60.098,
141.202

73, 6.933, 326.024

64, 69.520,
140.003

75, 17.977,
326.502

63, 77.602,
138.784

77, 28.715,
326.896

63, 83.948,
137.655

79, 39.116,
327.231

63, 88.223,
136.751

82, 48.749,
326.627

63, 89.861,

82, 49.336,
326.129

136.423

Harmonies

Complementary

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



68, 27.325, 144.163



61, 27.348, 327.052

Rectangle

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



68, 27.325, 144.163



68, 27.325, 194.163



68, 27.325, 324.163



68, 27.325, 14.163

Sweetspot

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



68, 27.327, 144.163



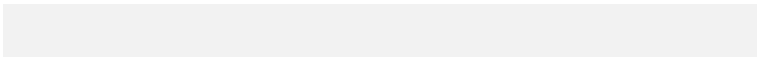
90, 9.876, 145.358



71, 22.696, 109.337



47, 6.413, 145.320



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, 27.327, 144.163



85, 41.180, 143.690



68, 19.026, 163.342



37, 6.525, 145.213



55, 80.849, 136.498



6, 15.858, 145.438

Inverse Universe

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



61, 27.348, 327.052



75, 41.190, 327.365



60, 19.692, 347.663



35, 6.536, 326.232



36, 76.079, 330.188



3, 15.478, 326.440

Previews

White Background



This preview shows how the CIELCh color 68, 27.325, 144.163 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, 27.325, 144.163 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, 27.325, 144.163

Background



This preview shows how black text looks on a background with the CIELCh color 68, 27.325, 144.163.

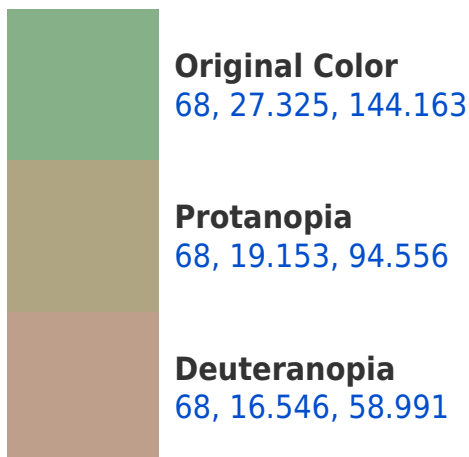


This preview shows how white text looks on a background with the CIELCh color 68, 27.325, 144.163.

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, 11.928, 235.850

Trichromacy



Original Color
68, 27.325, 144.163

Protanomaly
68, 19.913, 117.470

Deuteranomaly
68, 14.388, 100.633

Tritanomaly
68, 12.512, 182.997

Monochromacy



Original Color
68, 27.325, 144.163

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 9.692, 145.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 27.325, 144.163 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(134, 176, 136)` looks like.

```
.text, #text, p{  
    color:rgb(134, 176, 136)  
}
```

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(134, 176, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 176, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 27.325, 144.163 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(134, 176, 136) }
```

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

```
.border{ border-color:rgb(134, 176, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 176, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 176, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 176, 136);  
box-shadow:4px 4px 4px 4px rgb(134, 176,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 27.325, 144.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 176, 136) }
```

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

```
.background{ background-color: rgb(134,  
176, 136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor