

Converting Colors

CIELCh(68, 67.947, 148.794)

Have a look what the booklet for
CIELCh(68, 67.947, 148.794)
contains.

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Color

CIELCh(68, 68.033, 148.858)

Conversions

Conversions Part 1

Format	Color
Hex	24BE63
RGB	36, 190, 99
RGB Percent	14%, 75%, 39%
CMY	0.8571, 0.2561, 0.6128
CMYK	0.81, 0.00, 0.48, 0.26
HSL	144°, 68%, 44%
HSV	144°, 81%, 74%
XYZ	21.3287, 37.9720, 17.9399
YIQ	133.5800, -62.5730, -60.9490

Conversions

Conversions Part 2

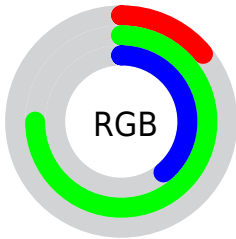
Format	Color
RYB	36, 145, 190
Decimal	2408035
CIELab	68.00, -58.23, 35.18
CIELCh	68, 68.033, 148.858
Yxy	37.9720, 0.2761, 0.4916
Android (android.graphics.Color)	4280598115 (0xFF24BE63)
YUV	133.5800, -17.0479, -85.5777
Hunter-Lab	61.6215, -46.0543, 25.8739

Details

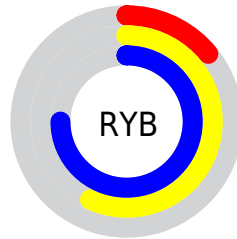
The CIELCh color **68, 68.033, 148.858** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **44, 66.496, 348.463**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 67.961, 148.972**, and **49, 61.809, 144.119** is the 20% darker color. If you saturate the color by 10%, you get **68, 73.612, 146.810**, and if you desaturate by 10%, it is **68, 61.570, 150.722**.

Distribution



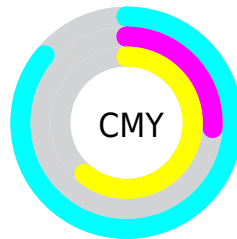
- Red (14%)
- Green (75%)
- Blue (39%)



- Red (14%)
- Yellow (57%)
- Blue (75%)



- Cyan (81%)
- Magenta (0%)
- Yellow (48%)
- Black (26%)



- Cyan (86%)
- Magenta (26%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 68.033, 148.858 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, 68.033, 148.858 by changing the saturation by 10% instead.

 68, 68.033,
148.858


 68, 68.033,
148.858


 100, 68.033,
148.858

 58, 68.033,
148.858


 88, 68.033,
148.858

 48, 68.033,
148.858

 98, 68.033,
148.858

 38, 68.033,
148.858

 28, 68.033,
148.858

 18, 68.033,
148.858

 8, 68.033, 148.858

 0, 68.033, 148.858

■ 68, 68.033,
148.858

■ 68, 68.033,
148.858

■ 68, 73.612,
146.810

■ 68, 61.570,
150.722

■ 67, 78.074,
144.866

■ 69, 54.275,
152.383

■ 70, 46.259,
153.847

■ 71, 37.672,
155.130

■ 72, 28.676,
156.255

■ 74, 19.429,
157.247

■ 75, 10.073,
158.134

■ 77, 0.724, 159.368

Harmonies

Complementary

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



68, 68.033, 148.858



44, 66.496, 348.463

Rectangle

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



68, 68.033, 148.858



68, 68.033, 198.858



68, 68.033, 328.858



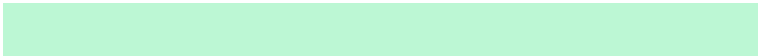
68, 68.033, 18.858

Sweetspot

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



68, 68.033, 148.858



93, 27.809, 156.903



70, 76.715, 122.792



49, 19.235, 156.544



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



68, 68.033, 148.858



86, 94.434, 145.121



70, 41.244, 184.377



39, 5.267, 158.257



57, 67.738, 145.195



9, 17.637, 153.663

Inverse Universe

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



44, 66.496, 348.463



54, 84.822, 353.143



42, 66.921, 27.592



37, 5.311, 339.596



34, 61.095, 353.034



3, 14.798, 346.054

Previews

White Background



This preview shows how the CIELCh color 68, 68.033, 148.858 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 68, 68.033, 148.858 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, 68.033, 148.858

Background



This preview shows how black text looks on a background with the CIELCh color 68, 68.033, 148.858.



This preview shows how white text looks on a background with the CIELCh color 68, 68.033, 148.858.

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](#).

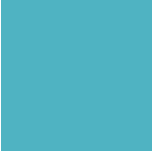
Dichromacy



Original Color
68, 68.116, 148.920

Protanopia
67, 40.528, 95.332

Deuteranopia
67, 33.082, 74.568



Tritanopia
68, 29.554, 213.696

Trichromacy



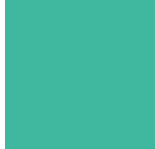
Original Color
68, 68.116, 148.920



Protanomaly
66, 46.652, 129.108



Deuteranomaly
66, 37.306, 125.900



Tritanomaly
68, 38.855, 176.302

Monochromacy



Original Color
68, 68.116, 148.920



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 28.125, 155.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 68.033, 148.858 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(36, 190, 99)` looks like.

```
.text, #text, p{  
    color:rgb(36, 190, 99)  
}
```

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(36, 190, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 190, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 68.033, 148.858 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(36, 190, 99) }
```

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

```
.border{ border-color:rgb(36, 190, 99) }
```

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

Here you see how a box with a 4 pixel rgb(36, 190, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 190, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 190, 99);  
box-shadow:4px 4px 4px 4px rgb(36, 190,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 68.033, 148.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 190, 99) }
```

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

```
.background{ background-color: rgb(36, 190,  
99) }
```

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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