

Converting Colors

CIELCh(68, 88.182, 136.812)

Have a look what the booklet for
CIELCh(68, 88.182, 136.812)
contains.

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Color

CIELCh(68, 88.190, 136.776)

Conversions

Conversions Part 1

Format	Color
Hex	2DBF27
RGB	45, 191, 39
RGB Percent	18%, 75%, 15%
CMY	0.8234, 0.2509, 0.8470
CMYK	0.76, 0.00, 0.80, 0.25
HSL	118°, 66%, 45%
HSV	118°, 80%, 75%
XYZ	20.0831, 37.9720, 8.1916
YIQ	130.0180, -38.2240, -78.2240

Conversions

Conversions Part 2

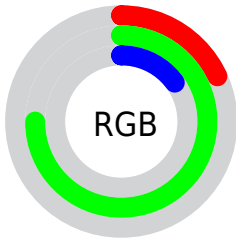
Format	Color
RYB	39, 191, 185
Decimal	2998055
CIELab	68.00, -64.26, 60.40
CIELCh	68, 88.190, 136.776
Yxy	37.9720, 0.3032, 0.5732
Android (android.graphics.Color)	4281188135 (0xFF2DBF27)
YUV	130.0180, -44.8719, -74.5608
Hunter-Lab	61.6215, -49.6624, 35.2534

Details

The CIELCh color **68, 88.190, 136.776** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **46, 86.444, 326.652**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 88.228, 136.768**, and **49, 75.072, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **68, 93.285, 136.193**, and if you desaturate by 10%, it is **68, 80.747, 137.635**.

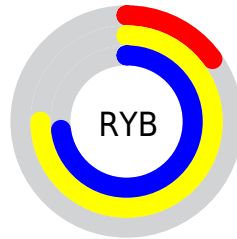
Distribution



Red (18%)

Green (75%)

Blue (15%)



Red (15%)

Yellow (75%)

Blue (73%)

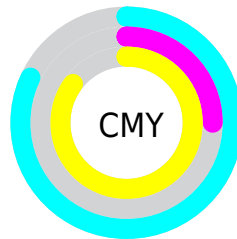


Cyan (76%)

Magenta (0%)

Yellow (80%)

Black (25%)



Cyan (82%)

Magenta (25%)

Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 88.190, 136.776 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, 88.190, 136.776 by changing the saturation by 10% instead.

 68, 88.190,
136.776

 68, 88.190,
136.776

 100, 88.190,
136.776

 58, 88.190,
136.776


 88, 88.190,
136.776

 48, 88.190,
136.776

 98, 88.190,
136.776

 38, 88.190,
136.776

 28, 88.190,
136.776

 18, 88.190,
136.776

 8, 88.190, 136.776

 0, 88.190, 136.776

■ 68, 88.190,
136.776

■ 68, 88.190,
136.776

■ 68, 93.285,
136.193

■ 68, 80.747,
137.635

■ 68, 96.078,
135.876

■ 69, 71.420,
138.631

■ 68, 96.178,
135.859

■ 70, 60.717,
139.644

■ 71, 49.084,
140.600

■ 72, 36.888,
141.462

■ 74, 24.415,
142.217

■ 76, 11.886,
142.875

■ 77, 0.537, 322.959

■ 79, 12.739,
323.857

Harmonies

Complementary

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



68, 88.190, 136.776



46, 86.444, 326.652

Rectangle

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



68, 88.190, 136.776



68, 88.190, 186.776



68, 88.190, 316.776



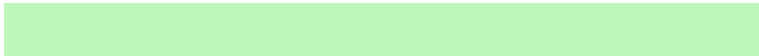
68, 88.190, 6.776

Sweetspot

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



68, 88.190, 136.777



92, 36.954, 141.867



73, 68.910, 100.664



49, 25.586, 141.588



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, 88.190, 136.777



85, 115.754, 136.000



69, 65.046, 151.033



39, 6.967, 142.889



57, 83.567, 135.818



9, 21.471, 143.648

Inverse Universe

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



46, 86.444, 326.652



57, 112.253, 326.693



44, 65.032, 351.277



37, 6.982, 323.848



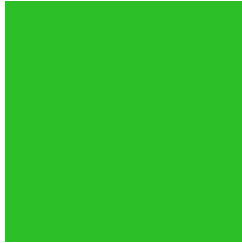
36, 81.005, 326.699



3, 21.042, 323.732

Previews

White Background



This preview shows how the CIELCh color 68, 88.190, 136.776 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, 88.190, 136.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

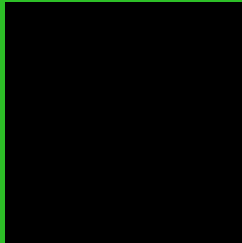
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 88.190, 136.776

Background



This preview shows how black text looks on a background with the CIELCh color 68, 88.190, 136.776.

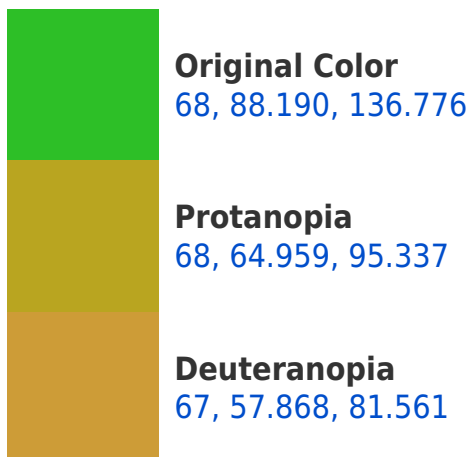


This preview shows how white text looks on a background with the CIELCh color 68, 88.190, 136.776.

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, 27.358, 213.976

Trichromacy



Original Color
68, 88.190, 136.776



Protanomaly
66, 69.114, 117.951



Deuteranomaly
66, 61.061, 113.069



Tritanomaly
67, 45.046, 160.923

Monochromacy



Original Color
68, 88.190, 136.776



Achromatopsia
54, 0.007, 296.813



Achromatomaly
58, 37.404, 141.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 88.190, 136.776 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(45, 191, 39)` looks like.

```
.text, #text, p{  
    color:rgb(45, 191, 39)  
}
```

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(45, 191, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 191, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 88.190, 136.776 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(45, 191, 39) }
```

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

```
.border{ border-color:rgb(45, 191, 39) }
```

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

Here you see how a box with a 4 pixel rgb(45, 191, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 191, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 191, 39);  
box-shadow:4px 4px 4px 4px rgb(45, 191,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 88.190, 136.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 191, 39) }
```

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

```
.background{ background-color: rgb(45, 191,  
39) }
```

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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