

Converting Colors

CIELCh(66, 81.643, 138.317)

Have a look what the booklet for
CIELCh(66, 81.643, 138.317)
contains.

CIELCh(66, 81.562, 138.291)	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(66, 81.562, 138.291)

Conversions

Conversions Part 1

Format	Color
Hex	30B833
RGB	48, 184, 51
RGB Percent	19%, 72%, 20%
CMY	0.8131, 0.2767, 0.7983
CMYK	0.74, 0.00, 0.72, 0.28
HSL	122°, 59%, 46%
HSV	122°, 74%, 72%
XYZ	19.0402, 35.3238, 8.9972
YIQ	128.1740, -38.3630, -70.1950

Conversions

Conversions Part 2

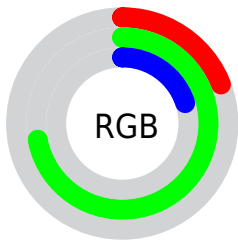
Format	Color
RYB	48, 181, 184
Decimal	3192883
CIELab	66.00, -60.89, 54.27
CIELCh	66, 81.562, 138.291
Yxy	35.3238, 0.3005, 0.5575
Android (android.graphics.Color)	4281382963 (0xFF30B833)
YUV	128.1740, -38.0468, -70.3126
Hunter-Lab	59.4338, -46.8251, 32.6283

Details

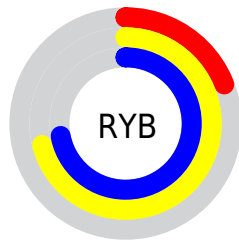
The CIELCh color **66, 81.562, 138.291** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **47, 79.504, 328.787**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 81.467, 138.213**, and **47, 72.256, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **66, 87.906, 137.256**, and if you desaturate by 10%, it is **67, 73.278, 139.458**.

Distribution



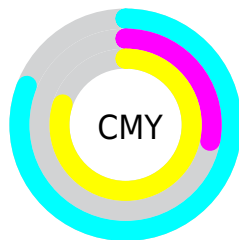
- Red (19%)
- Green (72%)
- Blue (20%)



- Red (19%)
- Yellow (71%)
- Blue (72%)



- Cyan (74%)
- Magenta (0%)
- Yellow (72%)
- Black (28%)





- Cyan (81%)
- Magenta (28%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 81.562, 138.291 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 66, 81.562, 138.291 by changing the saturation by 10% instead.


 66, 81.562,
138.291


 66, 81.562,
138.291


 100, 81.562,
138.291


 56, 81.562,
138.291


 86, 81.562,
138.291

 46, 81.562,
138.291

 96, 81.562,
138.291

 36, 81.562,
138.291

 26, 81.562,
138.291

 16, 81.562,
138.291

 6, 81.562, 138.291

 0, 81.562, 138.291

■ 66, 81.562,
138.291

■ 66, 81.562,
138.291

■ 66, 87.906,
137.256

■ 67, 73.278,
139.458

■ 65, 91.962,
136.491

■ 67, 63.498,
140.633

■ 65, 93.391,
136.241

■ 68, 52.645,
141.735

■ 69, 41.091,
142.724

■ 71, 29.140,
143.589

■ 72, 17.038,
144.336

■ 74, 4.972, 145.003

■ 76, 6.922, 325.453

■ 78, 18.552,
325.931

Harmonies

Complementary

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



66, 81.562, 138.291



47, 79.504, 328.787

Rectangle

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



66, 81.562, 138.291



66, 81.562, 188.291



66, 81.562, 318.291



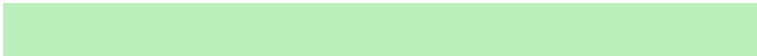
66, 81.562, 8.291

Sweetspot

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



66, 81.562, 138.292



90, 32.823, 143.732



73, 66.538, 104.587



47, 22.043, 143.518



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 81.562, 138.292



83, 110.450, 136.735



67, 56.413, 155.405



38, 6.770, 144.662



56, 82.245, 136.293



8, 18.634, 144.986

Inverse Universe

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



47, 79.504, 328.787



57, 105.653, 329.198



44, 59.262, 354.754



36, 6.781, 325.677



36, 78.197, 329.349



3, 18.303, 325.792

Previews

White Background



This preview shows how the CIELCh color 66, 81.562, 138.291 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 66, 81.562, 138.291 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 66, 81.562, 138.291

Background



This preview shows how black text looks on a background with the CIELCh color 66, 81.562, 138.291.

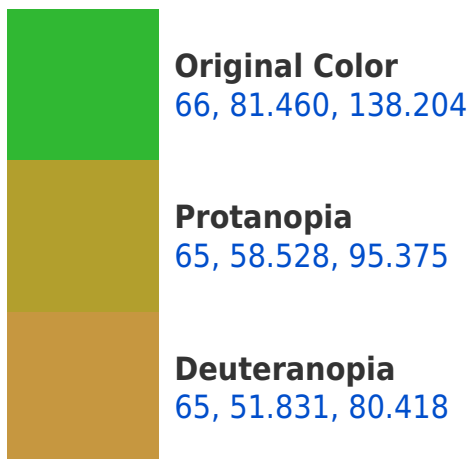


This preview shows how white text looks on a background with the CIELCh color 66, 81.562, 138.291.

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
66, 26.441, 214.705

Trichromacy



Original Color
66, 81.460, 138.204



Protanomaly
64, 62.876, 118.667



Deuteranomaly
64, 54.615, 113.714



Tritanomaly
65, 41.392, 163.723

Monochromacy



Original Color
66, 81.460, 138.204



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 34.111, 142.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 81.562, 138.291 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(48, 184, 51)` looks like.

```
.text, #text, p{  
    color:rgb(48, 184, 51)  
}
```

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(48, 184, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 184, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 81.562, 138.291 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(48, 184, 51) }
```

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

```
.border{ border-color:rgb(48, 184, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 184, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 184, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 184, 51);  
box-shadow:4px 4px 4px 4px rgb(48, 184,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 81.562, 138.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 184, 51) }
```

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

```
.background{ background-color: rgb(48, 184,  
51) }
```

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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