

Converting Colors

CIELCh(63, 84.045, 138.120)

Have a look what the booklet for
CIELCh(63, 84.045, 138.120)
contains.

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Color

CIELCh(63, 84.270, 138.103)

Conversions

Conversions Part 1

Format	Color
Hex	16B125
RGB	22, 177, 37
RGB Percent	9%, 69%, 15%
CMY	0.9139, 0.3074, 0.8567
CMYK	0.88, 0.00, 0.79, 0.31
HSL	126°, 78%, 39%
HSV	126°, 88%, 69%
XYZ	16.2999, 31.5869, 6.9507
YIQ	114.6950, -47.4400, -76.4000

Conversions

Conversions Part 2

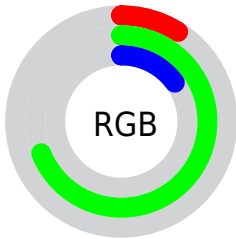
Format	Color
RYB	22, 163, 177
Decimal	1487141
CIELab	63.00, -62.73, 56.27
CIELCh	63, 84.270, 138.103
Yxy	31.5869, 0.2972, 0.5760
Android (android.graphics.Color)	4279677221 (0xFF16B125)
YUV	114.6950, -38.3036, -81.2935
Hunter-Lab	56.2022, -46.5851, 32.0090

Details

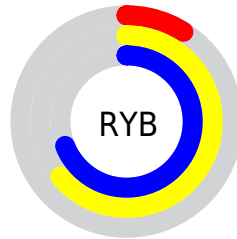
The CIELCh color **63, 84.270, 138.103** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **42, 79.234, 331.812**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **83, 84.495, 138.173**, and **44, 69.821, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 88.311, 137.049**, and if you desaturate by 10%, it is **63, 78.358, 139.376**.

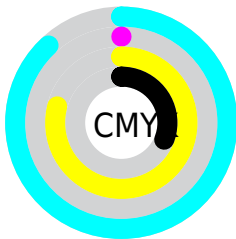
Distribution



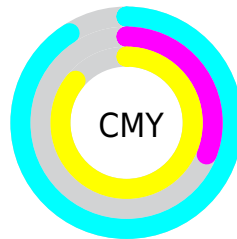
- Red (9%)
- Green (69%)
- Blue (15%)



- Red (9%)
- Yellow (64%)
- Blue (69%)



- Cyan (88%)
- Magenta (0%)
- Yellow (79%)
- Black (31%)





- Cyan (91%)
- Magenta (31%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 84.270, 138.103 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 63, 84.270, 138.103 by changing the saturation by 10% instead.


 63, 84.270,
138.103


 63, 84.270,
138.103


 100, 84.270,
138.103


 53, 84.270,
138.103


 83, 84.270,
138.103

 43, 84.270,
138.103

 93, 84.270,
138.103

 33, 84.270,
138.103

 23, 84.270,
138.103

 13, 84.270,
138.103

 3, 84.270, 138.103

 0, 84.270, 138.103

■ 63, 84.270,
138.103

■ 63, 84.270,
138.103

■ 63, 88.311,
137.049

■ 63, 78.358,
139.376

■ 63, 89.046,
136.877

■ 64, 70.807,
140.711

■ 65, 61.945,
142.006

■ 65, 52.099,
143.198

■ 66, 41.573,
144.259

■ 68, 30.632,
145.185

■ 69, 19.499,
145.985

■ 71, 8.352, 146.683

Harmonies

Complementary

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



63, 84.270, 138.103



42, 79.234, 331.812

Rectangle

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



63, 84.270, 138.103



63, 84.270, 188.103



63, 84.270, 318.103



63, 84.270, 8.103

Sweetspot

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



63, 84.270, 138.104



86, 35.757, 145.280



69, 70.850, 107.780



45, 24.200, 144.988



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



63, 84.270, 138.104



80, 108.769, 136.705



64, 57.070, 156.532



37, 6.316, 146.565



55, 79.872, 137.000



7, 15.467, 146.467

Inverse Universe

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



42, 79.234, 331.812



53, 99.003, 332.448



39, 61.419, 4.358



35, 6.328, 327.605



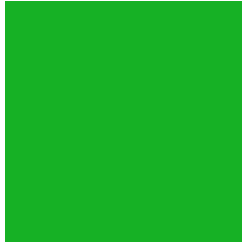
35, 73.375, 332.317



2, 14.759, 328.514

Previews

White Background



This preview shows how the CIELCh color 63, 84.270, 138.103 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 63, 84.270, 138.103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

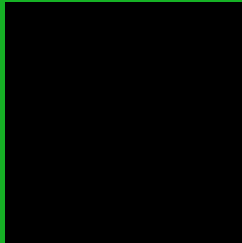
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 84.270, 138.103

Background



This preview shows how black text looks on a background with the CIELCh color 63, 84.270, 138.103.



This preview shows how white text looks on a background with the CIELCh color 63, 84.270, 138.103.

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

63, 84.325, 138.148

Protanopia

63, 60.738, 95.568

Deuteranopia

63, 53.715, 81.584



Tritanopia
63, 26.907, 214.465

Trichromacy



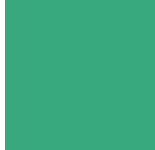
Original Color
63, 84.325, 138.148



Protanomaly
61, 66.144, 120.627



Deuteranomaly
60, 57.704, 116.403



Tritanomaly
62, 43.676, 163.288

Monochromacy



Original Color
63, 84.325, 138.148



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 36.825, 143.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 84.270, 138.103 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(22, 177, 37)` looks like.

```
.text, #text, p{  
    color:rgb(22, 177, 37)  
}
```

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(22, 177, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 177, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 84.270, 138.103 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(22, 177, 37) }
```

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

```
.border{ border-color:rgb(22, 177, 37) }
```

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

Here you see how a box with a 4 pixel rgb(22, 177, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 177, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 177, 37);  
box-shadow:4px 4px 4px 4px rgb(22, 177,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 84.270, 138.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 177, 37) }
```

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

```
.background{ background-color: rgb(22, 177,  
37) }
```

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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