

Converting Colors

CIELCh(63, 84.452, 138.201)

Have a look what the booklet for
CIELCh(63, 84.452, 138.201)
contains.

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Color

CIELCh(63, 84.731, 138.150)

Conversions

Conversions Part 1

Format	Color
Hex	12B124
RGB	18, 177, 36
RGB Percent	7%, 69%, 14%
CMY	0.9288, 0.3070, 0.8601
CMYK	0.90, 0.00, 0.80, 0.31
HSL	127°, 81%, 38%
HSV	127°, 90%, 69%
XYZ	16.2314, 31.5869, 6.8841
YIQ	113.3850, -49.5030, -77.5590

Conversions

Conversions Part 2

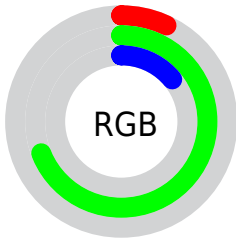
Format	Color
RYB	18, 161, 177
Decimal	1224996
CIELab	63.00, -63.12, 56.53
CIELCh	63, 84.731, 138.150
Yxy	31.5869, 0.2967, 0.5774
Android (android.graphics.Color)	4279415076 (0xFF12B124)
YUV	113.3850, -38.1508, -83.6526
Hunter-Lab	56.2022, -46.8026, 32.0792

Details

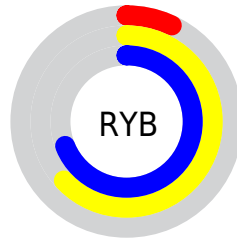
The CIELCh color **63, 84.731, 138.150** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **42, 78.904, 332.632**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **83, 84.644, 138.301**, and **44, 69.821, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 88.576, 137.097**, and if you desaturate by 10%, it is **63, 79.115, 139.464**.

Distribution



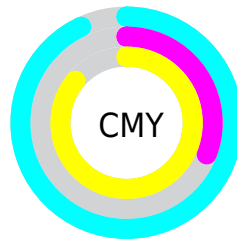
- Red (7%)
- Green (69%)
- Blue (14%)



- Red (7%)
- Yellow (63%)
- Blue (69%)



- Cyan (90%)
- Magenta (0%)
- Yellow (80%)
- Black (31%)




- Cyan (93%)
- Magenta (31%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 84.731, 138.150 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, 84.731, 138.150 by changing the saturation by 10% instead.


 63, 84.731,
138.150


 63, 84.731,
138.150


 100, 84.731,
138.150

 53, 84.731,
138.150


 83, 84.731,
138.150

 43, 84.731,
138.150

 93, 84.731,
138.150

 33, 84.731,
138.150

 23, 84.731,
138.150

 13, 84.731,
138.150

 3, 84.731, 138.150

 0, 84.731, 138.150

■ 63, 84.731,
138.150

■ 63, 84.731,
138.150

■ 63, 88.576,
137.097

■ 63, 79.115,
139.464

■ 63, 88.658,
137.078

■ 64, 71.874,
140.842

■ 64, 63.307,
142.179

■ 65, 53.726,
143.413

■ 66, 43.424,
144.512

■ 67, 32.668,
145.474

■ 69, 21.680,
146.305

■ 70, 10.645,

147.027

■ 72, 0.300, 326.742

Harmonies

Complementary

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



63, 84.731, 138.150



42, 78.904, 332.632

Rectangle

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



63, 84.731, 138.150



63, 84.731, 188.150



63, 84.731, 318.150



63, 84.731, 8.150

Sweetspot

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



63, 84.731, 138.151



86, 36.706, 145.673



69, 71.712, 108.711



45, 24.690, 145.379



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, 84.731, 138.151



80, 108.291, 136.887



64, 56.905, 157.090



37, 6.244, 147.054



55, 79.462, 137.214



7, 15.333, 146.835

Inverse Universe

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



42, 78.904, 332.632



53, 97.739, 333.265



38, 62.005, 6.732



35, 6.257, 328.103



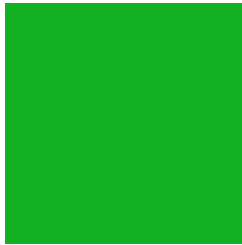
35, 72.464, 333.106



2, 14.523, 329.257

Previews

White Background



This preview shows how the CIELCh color 63, 84.731, 138.150 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, 84.731, 138.150 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, 84.731, 138.150

Background



This preview shows how black text looks on a background with the CIELCh color 63, 84.731, 138.150.



This preview shows how white text looks on a background with the CIELCh color 63, 84.731, 138.150.

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, 84.778, 138.188

Protanopia
63, 61.021, 95.572

Deuteranopia
63, 54.118, 81.700



Tritanopia
63, 27.276, 212.930

Trichromacy



Original Color
63, 84.778, 138.188



Protanomaly
61, 66.555, 120.858



Deuteranomaly
60, 58.178, 116.699



Tritanomaly
62, 44.357, 162.947

Monochromacy



Original Color
63, 84.778, 138.188



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 37.084, 144.225

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 84.731, 138.150 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(18, 177, 36)` looks like.

```
.text, #text, p{  
    color:rgb(18, 177, 36)  
}
```

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(18, 177, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 177, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 84.731, 138.150 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(18, 177, 36) }
```

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

```
.border{ border-color:rgb(18, 177, 36) }
```

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

Here you see how a box with a 4 pixel rgb(18, 177, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 177, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 177, 36);  
box-shadow:4px 4px 4px 4px rgb(18, 177,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 84.731, 138.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 177, 36) }
```

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

```
.background{ background-color: rgb(18, 177,  
36) }
```

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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