

Converting Colors

CIELCh(64, 82.718, 140.769)

Have a look what the booklet for
CIELCh(64, 82.718, 140.769)
contains.

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Color

CIELCh(64, 82.515, 140.689)

Conversions

Conversions Part 1

Format	Color
Hex	00B433
RGB	0, 180, 51
RGB Percent	0%, 71%, 20%
CMY	1.0000, 0.2948, 0.8007
CMYK	1.00, 0.00, 0.72, 0.29
HSL	137°, 100%, 35%
HSV	137°, 100%, 71%
XYZ	16.8684, 32.8017, 8.5533
YIQ	111.4740, -65.8710, -78.2790

Conversions

Conversions Part 2

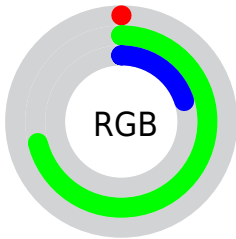
Format	Color
RYB	0, 140, 180
Decimal	46131
CIELab	64.00, -63.84, 52.28
CIELCh	64, 82.515, 140.689
Yxy	32.8017, 0.2897, 0.5634
Android (android.graphics.Color)	4278236211 (0xFF00B433)
YUV	111.4740, -29.8137, -97.7627
Hunter-Lab	57.2727, -47.6541, 31.2364

Details

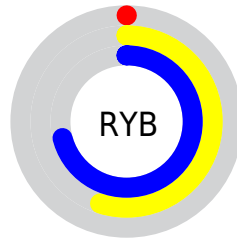
The CIELCh color **64, 82.515, 140.689** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **40, 71.850, 343.584**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **84, 82.346, 140.809**, and **45, 70.635, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **64, 82.490, 140.670**, and if you desaturate by 10%, it is **64, 77.609, 142.491**.

Distribution



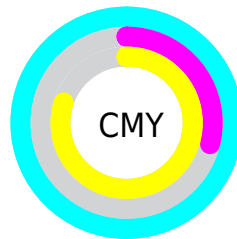
- Red (0%)
- Green (71%)
- Blue (20%)



- Red (0%)
- Yellow (55%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (72%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 82.515, 140.689 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 64, 82.515, 140.689 by changing the saturation by 10% instead.

 64, 82.515,
140.689

 64, 82.515,
140.689


 100, 82.515,
140.689

 54, 82.515,
140.689

 84, 82.515,
140.689

 44, 82.515,
140.689


 94, 82.515,
140.689

 34, 82.515,
140.689

 24, 82.515,
140.689

 14, 82.515,
140.689

 4, 82.515, 140.689

 0, 82.515, 140.689

■ 64, 82.515,
140.689

■ 64, 82.515,
140.689

■ 64, 82.490,
140.670

■ 64, 77.609,
142.491

■ 65, 71.703,
144.336

■ 65, 64.753,
146.055

■ 66, 56.880,
147.608

■ 67, 48.248,
148.981

■ 68, 39.045,
150.182

■ 69, 29.457,
151.226

■ 70, 19.659,

152.135

■ 72, 9.798, 152.938

Harmonies

Complementary

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



64, 82.515, 140.689



40, 71.850, 343.584

Rectangle

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



64, 82.515, 140.689



64, 82.515, 190.689



64, 82.515, 320.689



64, 82.515, 10.689

Sweetspot

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



64, 82.490, 140.670



87, 36.558, 151.176



68, 77.857, 118.201



46, 24.874, 150.757



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 82.490, 140.670



82, 101.484, 140.321



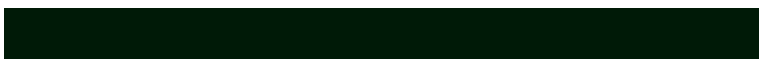
65, 49.889, 167.645



37, 5.513, 152.990



55, 72.780, 140.934



7, 13.954, 151.178

Inverse Universe

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



40, 71.850, 343.584



52, 87.400, 343.931



38, 69.934, 26.726



35, 5.539, 334.178



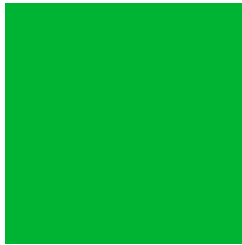
34, 63.930, 343.332



2, 12.383, 337.852

Previews

White Background



This preview shows how the CIELCh color 64, 82.515, 140.689 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 64, 82.515, 140.689 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 64, 82.515, 140.689

Background



This preview shows how black text looks on a background with the CIELCh color 64, 82.515, 140.689.



This preview shows how white text looks on a background with the CIELCh color 64, 82.515, 140.689.

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

64, 82.515, 140.689

Protanopia

63, 56.957, 95.115

Deuteranopia

63, 49.852, 80.478



Tritanopia
64, 28.108, 212.367

Trichromacy



Original Color
64, 82.515, 140.689



Protanomaly
61, 63.592, 124.615



Deuteranomaly
61, 54.261, 121.223



Tritanomaly
63, 44.006, 166.955

Monochromacy



Original Color
64, 82.515, 140.689



Achromatopsia
47, 0.006, 296.813



Achromatomaly
51, 37.042, 149.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 82.515, 140.689 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(0, 180, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 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(0, 180, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 82.515, 140.689 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(0, 180, 51) }
```

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

```
.border{ border-color:rgb(0, 180, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 180, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 64, 82.515, 140.689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 51) }
```

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

```
.background{ background-color: rgb(0, 180,  
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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