

Converting Colors

CIELCh(60, 77.527, 141.142)

Have a look what the booklet for
CIELCh(60, 77.527, 141.142)
contains.

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Color

CIELCh(60, 77.768, 141.043)

Conversions

Conversions Part 1

Format	Color
Hex	00A831
RGB	0, 168, 49
RGB Percent	0%, 66%, 19%
CMY	1.0000, 0.3422, 0.8088
CMYK	1.00, 0.00, 0.71, 0.34
HSL	137°, 100%, 33%
HSV	137°, 100%, 66%
XYZ	14.4914, 28.1233, 7.5425
YIQ	104.2020, -61.9290, -72.6250

Conversions

Conversions Part 2

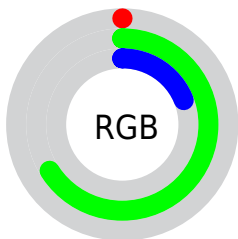
Format	Color
RYB	0, 130, 168
Decimal	43057
CIELab	60.00, -60.47, 48.90
CIELCh	60, 77.768, 141.043
Yxy	28.1233, 0.2889, 0.5607
Android (android.graphics.Color)	4278233137 (0xFF00A831)
YUV	104.2020, -27.2146, -91.3852
Hunter-Lab	53.0314, -44.0280, 28.6894

Details

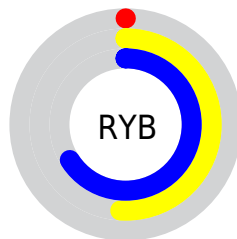
The CIELCh color **60, 77.768, 141.043** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **37, 67.957, 344.050**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **80, 77.832, 141.049**, and **41, 66.127, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **60, 77.732, 141.014**, and if you desaturate by 10%, it is **60, 73.046, 142.838**.

Distribution



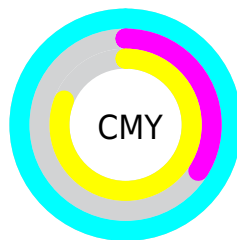
- Red (0%)
- Green (66%)
- Blue (19%)



- Red (0%)
- Yellow (51%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (34%)




- Cyan (100%)
- Magenta (34%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 77.768, 141.043 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 60, 77.768, 141.043 by changing the saturation by 10% instead.

 60, 77.768,
141.043


 60, 77.768,
141.043


 100, 77.768,
141.043


 50, 77.768,
141.043


 80, 77.768,
141.043

 40, 77.768,
141.043

 90, 77.768,
141.043

 30, 77.768,
141.043

 20, 77.768,
141.043

 10, 77.768,
141.043

 0, 77.768, 141.043

 60, 77.768,

 60, 77.768,

141.043

141.043

■ 60, 77.732,
141.014

■ 60, 73.046,
142.838

■ 61, 67.438,
144.685

■ 61, 60.867,
146.399

■ 62, 53.446,
147.944

■ 62, 45.324,
149.310

■ 63, 36.674,
150.505

■ 64, 27.667,
151.545

■ 66, 18.465,
152.453

Harmonies

Complementary

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



60, 77.768, 141.043



37, 67.957, 344.050

Rectangle

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



60, 77.768, 141.043



60, 77.768, 191.043



60, 77.768, 321.043



60, 77.768, 11.043

Sweetspot

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



60, 77.732, 141.014



82, 34.402, 151.491



63, 74.278, 118.963



43, 23.392, 151.086



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



60, 77.732, 141.014



77, 95.763, 140.631



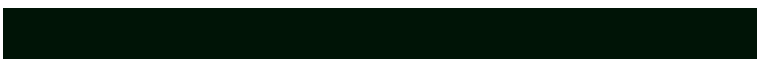
61, 46.320, 169.341



35, 5.220, 153.309



53, 70.508, 141.233



5, 9.788, 152.348

Inverse Universe

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



37, 67.957, 344.050



49, 82.695, 344.437



35, 66.948, 27.736



33, 5.245, 334.493



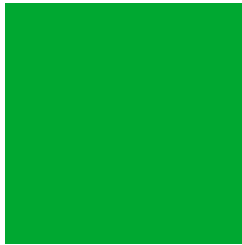
32, 62.073, 343.836



2, 9.008, 337.022

Previews

White Background



This preview shows how the CIELCh color 60, 77.768, 141.043 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 60, 77.768, 141.043 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 × Fail

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

CIELCh 60, 77.768, 141.043

Background



This preview shows how black text looks on a background with the CIELCh color 60, 77.768, 141.043.



This preview shows how white text looks on a background with the CIELCh color 60, 77.768, 141.043.

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
60, 77.768, 141.043

Protanopia
60, 53.226, 95.509

Deuteranopia
60, 46.682, 80.995



Tritanopia
60, 26.675, 212.134

Trichromacy



Original Color
60, 77.768, 141.043



Protanomaly
58, 60.003, 125.318



Deuteranomaly
57, 51.340, 121.918



Tritanomaly
59, 41.919, 166.748

Monochromacy



Original Color
60, 77.768, 141.043



Achromatopsia
44, 0.006, 296.813



Achromatomaly
48, 34.705, 149.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 77.768, 141.043 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, 168, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 49)  
}
```

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, 168, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 77.768, 141.043 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, 168, 49) }
```

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

```
.border{ border-color:rgb(0, 168, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 60, 77.768, 141.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 49) }
```

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

```
.background{ background-color: rgb(0, 168,  
49) }
```

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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