

Converting Colors

CIELCh(51, 66.898, 144.202)

Have a look what the booklet for
CIELCh(51, 66.898, 144.202)
contains.

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Color

CIELCh(51, 65.610, 143.091)

Conversions

Conversions Part 1

Format	Color
Hex	008D30
RGB	0, 141, 48
RGB Percent	0%, 55%, 19%
CMY	1.0000, 0.4467, 0.8112
CMYK	1.00, 0.00, 0.66, 0.45
HSL	140°, 100%, 28%
HSV	140°, 100%, 55%
XYZ	10.0368, 19.2686, 6.0019
YIQ	88.2390, -54.1830, -58.8150

Conversions

Conversions Part 2

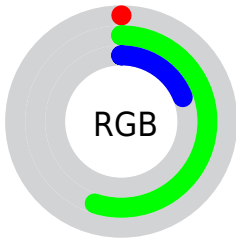
Format	Color
RYB	0, 105, 141
Decimal	36144
CIELab	51.00, -52.46, 39.40
CIELCh	51, 65.610, 143.091
Yxy	19.2686, 0.2843, 0.5457
Android (android.graphics.Color)	4278226224 (0xFF008D30)
YUV	88.2390, -19.8378, -77.3856
Hunter-Lab	43.8960, -36.0041, 22.6205

Details

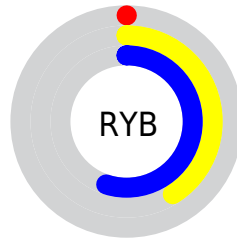
The CIELCh color **51, 65.610, 143.091** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **31, 58.199, 347.465**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **71, 65.563, 142.869**, and **32, 55.577, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **51, 65.477, 142.971**, and if you desaturate by 10%, it is **51, 61.283, 144.848**.

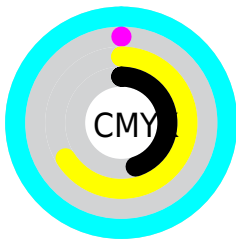
Distribution



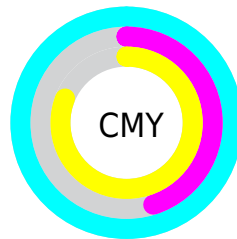
- Red (0%)
- Green (55%)
- Blue (19%)



- Red (0%)
- Yellow (41%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 65.610, 143.091 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 51, 65.610, 143.091 by changing the saturation by 10% instead.


 51, 65.610,
143.091


 51, 65.610,
143.091


 100, 65.610,
143.091


 41, 65.610,
143.091


 71, 65.610,
143.091

 31, 65.610,
143.091

 81, 65.610,
143.091

 21, 65.610,
143.091

 91, 65.610,
143.091

 11, 65.610,
143.091

 1, 65.610, 143.091

 0, 65.610, 143.091

■ 51, 65.610,
143.091

■ 51, 65.610,
143.091

■ 51, 65.477,
142.971

■ 51, 61.283,
144.848

■ 52, 56.449,
146.733

■ 52, 50.876,
148.457

■ 52, 44.636,
149.999

■ 53, 37.840,
151.360

■ 54, 30.619,
152.553

■ 55, 23.107,
153.596

■ 56, 15.429,

154.513

■ 57, 7.695, 155.331

Harmonies

Complementary

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



51, 65.610, 143.091



31, 58.199, 347.465

Rectangle

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



51, 65.610, 143.091



51, 65.610, 193.091



51, 65.610, 323.091



51, 65.610, 13.091

Sweetspot

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



51, 65.477, 142.971



70, 28.642, 153.533



53, 66.328, 121.121



36, 19.436, 153.161



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 65.477, 142.971



65, 80.351, 142.490



52, 38.199, 174.752



30, 4.386, 155.395



49, 63.337, 143.062



2, 2.957, 156.008

Inverse Universe

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



31, 58.199, 347.465



40, 70.357, 348.026



29, 60.432, 30.594



28, 4.413, 336.598



29, 56.456, 347.362



1, 2.957, 336.000

Previews

White Background



This preview shows how the CIELCh color 51, 65.610, 143.091 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 CIELCh color 51, 65.610, 143.091 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 51, 65.610, 143.091

Background



This preview shows how black text looks on a background with the CIELCh color 51, 65.610, 143.091.



This preview shows how white text looks on a background with the CIELCh color 51, 65.610, 143.091.

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


51, 65.491, 142.943

Protanopia

51, 43.365, 95.658

Deuteranopia

51, 37.714, 80.153



Tritanopia
51, 23.502, 213.279

Trichromacy



Original Color
51, 65.491, 142.943



Protanomaly
49, 48.967, 126.594



Deuteranomaly
48, 41.680, 123.184



Tritanomaly
50, 35.088, 170.261

Monochromacy



Original Color
51, 65.491, 142.943



Achromatopsia
37, 0.005, 296.813



Achromatomaly
41, 28.621, 152.292

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 51, 65.610, 143.091 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, 141, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 48)  
}
```

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, 141, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 65.610, 143.091 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, 141, 48) }
```

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

```
.border{ border-color:rgb(0, 141, 48) }
```

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

Here you see how a box with a 4 pixel rgb(0, 141, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 141, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 65.610, 143.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 48) }
```

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

```
.background{ background-color: rgb(0, 141,  
48) }
```

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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