

Converting Colors

CIELCh(55, 71.066, 141.971)

Have a look what the booklet for
CIELCh(55, 71.066, 141.971)
contains.

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Color

CIELCh(55, 71.198, 141.890)

Conversions

Conversions Part 1

Format	Color
Hex	009930
RGB	0, 153, 48
RGB Percent	0%, 60%, 19%
CMY	1.0000, 0.4007, 0.8124
CMYK	1.00, 0.00, 0.69, 0.40
HSL	139°, 100%, 30%
HSV	139°, 100%, 60%
XYZ	11.8829, 22.9298, 6.5769
YIQ	95.2830, -57.4830, -65.0910

Conversions

Conversions Part 2

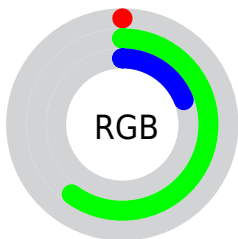
Format	Color
RYB	0, 116, 153
Decimal	39216
CIELab	55.00, -56.02, 43.94
CIELCh	55, 71.198, 141.890
Yxy	22.9298, 0.2871, 0.5540
Android (android.graphics.Color)	4278229296 (0xFF009930)
YUV	95.2830, -23.3105, -83.5632
Hunter-Lab	47.8851, -39.5035, 25.3763

Details

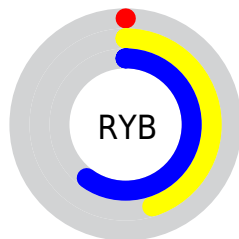
The CIELCh color **55, 71.198, 141.890** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **34, 62.655, 345.510**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 71.454, 141.787**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 71.172, 141.868**, and if you desaturate by 10%, it is **55, 66.742, 143.717**.

Distribution



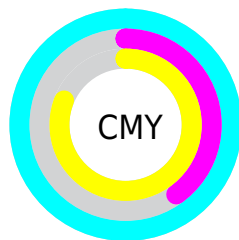
- Red (0%)
- Green (60%)
- Blue (19%)



- Red (0%)
- Yellow (45%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 71.198, 141.890 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 55, 71.198, 141.890 by changing the saturation by 10% instead.


 55, 71.198,
141.890


 55, 71.198,
141.890


 100, 71.198,
141.890


 45, 71.198,
141.890


 75, 71.198,
141.890

 35, 71.198,
141.890

 85, 71.198,
141.890

 25, 71.198,
141.890

 95, 71.198,
141.890

 15, 71.198,
141.890

 5, 71.198, 141.890

 0, 71.198, 141.890

■ 55, 71.198,
141.890

■ 55, 71.198,
141.890

■ 55, 71.172,
141.868

■ 55, 66.742,
143.717

■ 56, 61.541,
145.582

■ 56, 55.499,
147.300

■ 57, 48.708,
148.842

■ 57, 41.296,
150.203

■ 58, 33.412,
151.395

■ 59, 25.209,
152.435

■ 60, 16.827,

153.345

■ 62, 8.389, 154.153

Harmonies

Complementary

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



55, 71.198, 141.890



34, 62.655, 345.510

Rectangle

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



55, 71.198, 141.890



55, 71.198, 191.890



55, 71.198, 321.890



55, 71.198, 11.890

Sweetspot

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



55, 71.172, 141.868



75, 31.241, 152.377



58, 69.654, 119.667



39, 21.221, 151.990



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



55, 71.172, 141.868



70, 87.361, 141.439



56, 42.266, 171.141



32, 4.744, 154.212



51, 66.597, 142.034



3, 5.136, 154.604

Inverse Universe

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



34, 62.655, 345.510



44, 75.865, 345.971



31, 62.936, 28.566



30, 4.769, 335.401



31, 58.935, 345.338



1, 5.074, 335.290

Previews

White Background



This preview shows how the CIE LCh color 55, 71.198, 141.890 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 55, 71.198, 141.890 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 55, 71.198, 141.890

Background



This preview shows how black text looks on a background with the CIELCh color 55, 71.198, 141.890.



This preview shows how white text looks on a background with the CIELCh color 55, 71.198, 141.890.

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
55, 71.198, 141.890

Protanopia
55, 48.236, 95.227

Deuteranopia
55, 42.200, 80.871



Tritanopia
55, 24.952, 212.082

Trichromacy



Original Color
55, 71.198, 141.890



Protanomaly
53, 54.173, 125.386



Deuteranomaly
52, 46.393, 122.566



Tritanomaly
55, 38.855, 167.550

Monochromacy



Original Color
55, 71.198, 141.890



Achromatopsia
40, 0.006, 296.813



Achromatomaly
44, 31.727, 150.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 71.198, 141.890 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, 153, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 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, 153, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 71.198, 141.890 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, 153, 48) }
```

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

```
.border{ border-color:rgb(0, 153, 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, 153, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 71.198, 141.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 48) }
```

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

```
.background{ background-color: rgb(0, 153,  
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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