

Converting Colors

CIELCh(55, 81.066, 136.388)

Have a look what the booklet for
CIELCh(55, 81.066, 136.388)
contains.

CIELCh(55, 80.975, 136.380)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 80.975, 136.380)

Conversions

Conversions Part 1

Format	Color
Hex	029907
RGB	2, 153, 7
RGB Percent	1%, 60%, 3%
CMY	0.9909, 0.3986, 0.9736
CMYK	0.98, 0.00, 0.96, 0.40
HSL	122°, 97%, 31%
HSV	122°, 98%, 60%
XYZ	11.5160, 22.9298, 4.0118
YIQ	91.2070, -43.1300, -77.4180

Conversions

Conversions Part 2

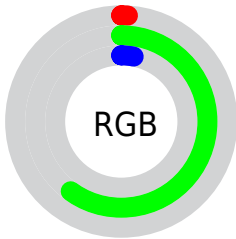
Format	Color
R_{YB}	2, 148, 153
Decimal	170247
CIE _{Lab}	55.00, -58.62, 55.86
CIE _{LCh}	55, 80.975, 136.380
Yxy	22.9298, 0.2994, 0.5962
Android (android.graphics.Color)	4278360327 (0xFF029907)
YUV	91.2070, -41.5141, -78.2345
Hunter-Lab	47.8851, -40.8710, 28.5523

Details

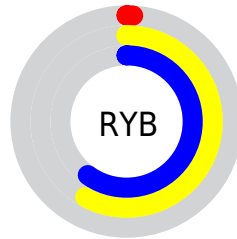
The CIELCh color **55, 80.975, 136.380** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **36, 77.005, 329.378**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 81.149, 136.347**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 81.357, 136.312**, and if you desaturate by 10%, it is **55, 77.977, 137.008**.

Distribution



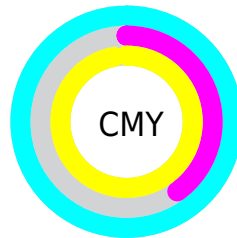
- Red (1%)
- Green (60%)
- Blue (3%)



- Red (1%)
- Yellow (58%)
- Blue (60%)



- Cyan (98%)
- Magenta (0%)
- Yellow (96%)
- Black (40%)





- Cyan (99%)
- Magenta (40%)
- Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 80.975, 136.380 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, 80.975, 136.380 by changing the saturation by 10% instead.


 55, 80.975,
136.380


 55, 80.975,
136.380


 100, 80.975,
136.380


 45, 80.975,
136.380


 75, 80.975,
136.380

 35, 80.975,
136.380

 85, 80.975,
136.380

 25, 80.975,
136.380

 95, 80.975,
136.380

 15, 80.975,
136.380

 5, 80.975, 136.380

 0, 80.975, 136.380

■ 55, 80.975,
136.380

■ 55, 80.975,
136.380

■ 55, 81.357,
136.312

■ 55, 77.977,
137.008

■ 55, 73.102,
137.966

■ 56, 66.478,
139.094

■ 56, 58.463,
140.264

■ 57, 49.421,
141.383

■ 58, 39.677,
142.403

■ 59, 29.508,
143.303

■ 61, 19.136,

144.085

■ 62, 8.737, 144.764

Harmonies

Complementary

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



55, 80.975, 136.380



36, 77.005, 329.378

Rectangle

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



55, 80.975, 136.380



55, 80.975, 186.380



55, 80.975, 316.380



55, 80.975, 6.380

Sweetspot

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



55, 80.974, 136.381



75, 38.398, 143.124



61, 65.979, 103.895



39, 26.087, 142.782



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, 80.974, 136.381



70, 98.820, 136.232



56, 58.877, 150.665



32, 5.814, 144.716



50, 76.156, 136.345



3, 6.262, 145.215

Inverse Universe

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



36, 77.005, 329.378



47, 93.676, 329.430



33, 57.646, 2.321



30, 5.824, 325.703



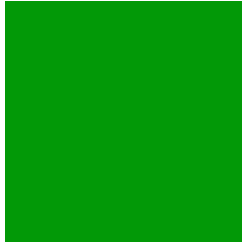
33, 72.435, 329.397



1, 6.244, 325.329

Previews

White Background



This preview shows how the CIELCh color 55, 80.975, 136.380 looks on a white background.

Color Contrast Check

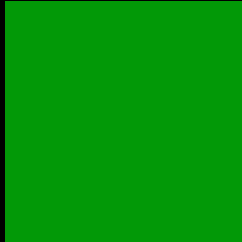
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 80.975, 136.380 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

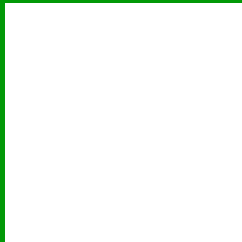
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 80.975, 136.380

Background



This preview shows how black text looks on a background with the CIELCh color 55, 80.975, 136.380.

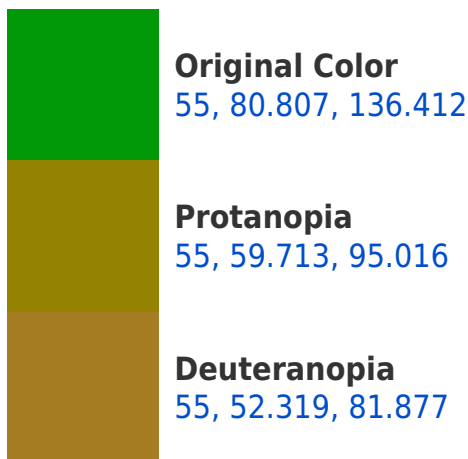



This preview shows how white text looks on a background with the CIELCh color 55, 80.975, 136.380.

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





Tritanopia
55, 24.560, 212.356

Trichromacy



Original Color
55, 80.807, 136.412



Protanomaly
53, 64.943, 120.448



Deuteranomaly
52, 57.302, 116.746



Tritanomaly
54, 44.226, 158.075

Monochromacy



Original Color
55, 80.807, 136.412



Achromatopsia
39, 0.005, 296.813



Achromatomaly
43, 38.940, 141.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 80.975, 136.380 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(2, 153, 7)` looks like.

```
.text, #text, p{  
    color:rgb(2, 153, 7)  
}
```

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(2, 153, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 153, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 80.975, 136.380 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(2, 153, 7) }
```

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

```
.border{ border-color:rgb(2, 153, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 153, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 153, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 153, 7); box-shadow:4px  
4px 4px 4px rgb(2, 153, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 80.975, 136.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 153, 7) }
```

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

```
.background{ background-color: rgb(2, 153,  
7) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor