

Converting Colors

CIELCh(55, 82.195, 136.016)

Have a look what the booklet for
CIELCh(55, 82.195, 136.016)
contains.

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Color

CIELCh(55, 81.803, 136.016)

Conversions

Conversions Part 1

Format	Color
Hex	029901
RGB	2, 153, 1
RGB Percent	1%, 60%, 0%
CMY	0.9940, 0.3984, 0.9969
CMYK	0.99, 0.00, 0.99, 0.40
HSL	120°, 99%, 30%
HSV	120°, 99%, 60%
XYZ	11.4826, 22.9298, 3.8431
YIQ	90.5230, -41.2040, -79.2840

Conversions

Conversions Part 2

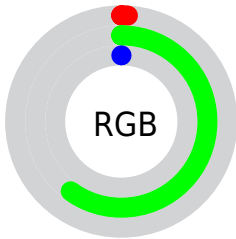
Format	Color
R_{YB}	1, 153, 152
Decimal	170241
CIE _{Lab}	55.00, -58.86, 56.81
CIE _{LCh}	55, 81.803, 136.016
Yxy	22.9298, 0.3002, 0.5994
Android (android.graphics.Color)	4278360321 (0xFF029901)
YUV	90.5230, -44.1348, -77.6347
Hunter-Lab	47.8851, -40.9957, 28.7612

Details

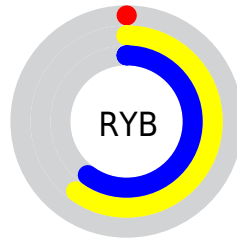
The CIELCh color **55, 81.803, 136.016** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **36, 78.988, 328.040**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **75, 81.831, 136.034**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 81.938, 135.991**, and if you desaturate by 10%, it is **55, 79.073, 136.517**.

Distribution



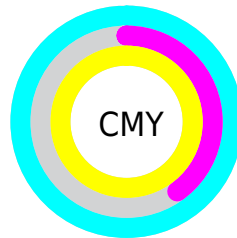
- Red (1%)
- Green (60%)
- Blue (0%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (99%)
- Black (40%)





- Cyan (99%)
- Magenta (40%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 81.803, 136.016 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, 81.803, 136.016 by changing the saturation by 10% instead.


 55, 81.803,
136.016


 55, 81.803,
136.016


 100, 81.803,
136.016


 45, 81.803,
136.016


 75, 81.803,
136.016

 35, 81.803,
136.016

 85, 81.803,
136.016

 25, 81.803,
136.016

 95, 81.803,
136.016

 15, 81.803,
136.016

 5, 81.803, 136.016

 0, 81.803, 136.016

■ 55, 81.803,
136.016

■ 55, 81.803,
136.016

■ 55, 81.938,
135.991

■ 55, 79.073,
136.517

■ 55, 74.625,
137.272

■ 56, 68.250,
138.265

■ 56, 60.328,
139.357

■ 57, 51.265,
140.438

■ 58, 41.425,
141.441

■ 59, 31.108,
142.336

■ 60, 20.558,

143.117

■ 62, 9.960, 143.794

Harmonies

Complementary

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



55, 81.803, 136.016



36, 78.988, 328.040

Rectangle

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



55, 81.803, 136.016



55, 81.803, 186.016



55, 81.803, 316.016



55, 81.803, 6.016

Sweetspot

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



55, 81.802, 136.017



75, 39.099, 142.243



61, 65.398, 101.830



39, 26.561, 141.907



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, 81.802, 136.017



70, 99.315, 135.998



56, 61.324, 148.783



32, 5.921, 143.811



50, 76.738, 135.988



3, 6.375, 144.317

Inverse Universe

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



36, 78.988, 328.040



47, 95.866, 328.040



33, 58.185, 359.605



30, 5.931, 324.782



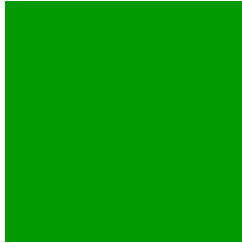
33, 74.083, 328.045



1, 6.375, 324.292

Previews

White Background



This preview shows how the CIELCh color 55, 81.803, 136.016 looks on a white background.

Color Contrast Check

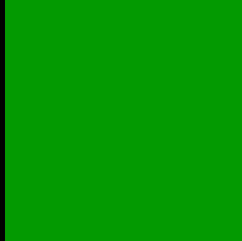
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.803, 136.016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

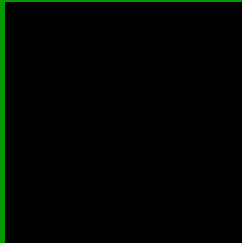
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 81.803, 136.016

Background



This preview shows how black text looks on a background with the CIELCh color 55, 81.803, 136.016.



This preview shows how white text looks on a background with the CIELCh color 55, 81.803, 136.016.

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, 81.593, 136.015

Protanopia
55, 59.713, 95.016

Deuteranopia
55, 52.677, 81.975



Tritanopia
55, 24.560, 212.356

Trichromacy



Original Color
55, 81.593, 136.015



Protanomaly
53, 65.272, 120.328



Deuteranomaly
52, 58.112, 116.479



Tritanomaly
54, 45.177, 157.144

Monochromacy



Original Color
55, 81.593, 136.015



Achromatopsia
39, 0.005, 296.813



Achromatomaly
43, 40.068, 140.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 81.803, 136.016 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(2, 153, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 153, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 81.803, 136.016 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, 1) }
```

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

```
.border{ border-color:rgb(2, 153, 1) }
```

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, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 153, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 153, 1); box-shadow:4px  
4px 4px 4px rgb(2, 153, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 81.803, 136.016 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, 1) }
```

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

```
.background{ background-color: rgb(2, 153,  
1) }
```

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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