

Converting Colors

CIELCh(55, 81.688, 135.868)

Have a look what the booklet for
CIELCh(55, 81.688, 135.868)
contains.

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Color

CIELCh(55, 81.611, 135.846)

Conversions

Conversions Part 1

Format	Color
Hex	069901
RGB	6, 153, 1
RGB Percent	2%, 60%, 0%
CMY	0.9756, 0.3987, 0.9976
CMYK	0.96, 0.00, 1.00, 0.40
HSL	118°, 99%, 30%
HSV	118°, 100%, 60%
XYZ	11.5254, 22.9298, 3.8360
YIQ	91.7190, -38.8200, -78.4360

Conversions

Conversions Part 2

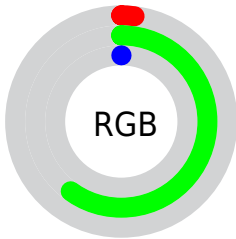
Format	Color
R_{YB}	1, 153, 148
Decimal	432385
CIE _{Lab}	55.00, -58.55, 56.85
CIE _{LCh}	55, 81.611, 135.846
Yxy	22.9298, 0.3010, 0.5988
Android (android.graphics.Color)	4278622465 (0xFF069901)
YUV	91.7190, -44.7245, -75.1756
Hunter-Lab	47.8851, -40.8362, 28.7700

Details

The CIELCh color **55, 81.611, 135.846** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **35, 79.097, 326.812**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 81.682, 135.891**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 81.716, 135.826**, and if you desaturate by 10%, it is **55, 78.822, 136.280**.

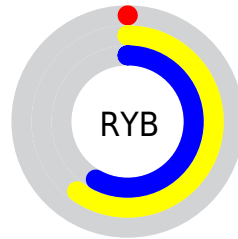
Distribution



Red (2%)

Green (60%)

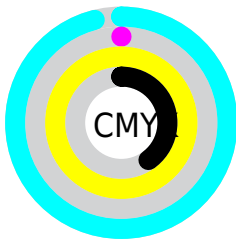
Blue (0%)



Red (0%)

Yellow (60%)

Blue (58%)

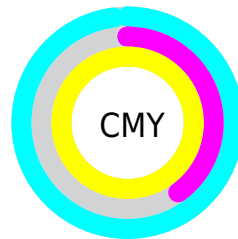


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (98%)


Magenta (40%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 81.611, 135.846 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, 81.611, 135.846 by changing the saturation by 10% instead.


 55, 81.611,
135.846


 55, 81.611,
135.846


 100, 81.611,
135.846


 45, 81.611,
135.846


 75, 81.611,
135.846

 35, 81.611,
135.846

 85, 81.611,
135.846

 25, 81.611,
135.846

 95, 81.611,
135.846

 15, 81.611,
135.846

 5, 81.611, 135.846

 0, 81.611, 135.846

■ 55, 81.611,
135.846

■ 55, 81.611,
135.846

■ 55, 81.716,
135.826

■ 55, 78.822,
136.280

■ 55, 74.284,
136.909

■ 56, 67.854,
137.787

■ 56, 59.919,
138.781

■ 57, 50.887,
139.782

■ 58, 41.114,
140.722

■ 59, 30.892,
141.568

■ 60, 20.451,

142.311

■ 62, 9.968, 142.959

Harmonies

Complementary

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



55, 81.611, 135.846



35, 79.097, 326.812

Rectangle

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



55, 81.611, 135.846



55, 81.611, 185.846



55, 81.611, 315.846



55, 81.611, 5.846

Sweetspot

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



55, 81.610, 135.847



75, 38.703, 141.489



59, 63.857, 99.655



39, 26.297, 141.171



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, 81.610, 135.847



70, 99.151, 135.878



55, 63.373, 147.204



32, 5.860, 142.981



51, 76.545, 135.804



3, 6.312, 143.481

Inverse Universe

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



35, 79.097, 326.812



46, 96.019, 326.785



33, 58.724, 356.627



30, 5.873, 323.912



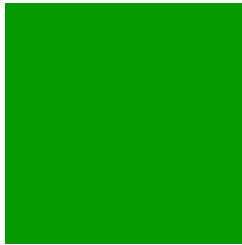
32, 74.197, 326.823



1, 6.302, 323.332

Previews

White Background



This preview shows how the CIELCh color 55, 81.611, 135.846 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, 81.611, 135.846 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, 81.611, 135.846

Background



This preview shows how black text looks on a background with the CIELCh color 55, 81.611, 135.846.



This preview shows how white text looks on a background with the CIELCh color 55, 81.611, 135.846.

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, 81.440, 135.879

Protanopia

55, 59.713, 95.016

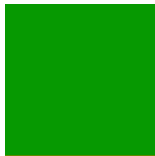
Deuteranopia

55, 52.677, 81.975



Tritanopia
55, 24.360, 212.499

Trichromacy



Original Color
55, 81.440, 135.879



Protanomaly
53, 65.131, 119.991



Deuteranomaly
52, 58.000, 116.062



Tritanomaly
54, 44.753, 156.772

Monochromacy



Original Color
55, 81.440, 135.879



Achromatopsia
39, 0.006, 296.813



Achromatomaly
43, 38.990, 140.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 81.611, 135.846 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(6, 153, 1)` looks like.

```
.text, #text, p{  
    color:rgb(6, 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(6, 153, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 153, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 81.611, 135.846 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(6, 153, 1) }
```

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

```
.border{ border-color:rgb(6, 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(6, 153, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 153, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 153, 1); box-shadow:4px  
4px 4px 4px rgb(6, 153, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 81.611, 135.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 153, 1) }
```

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

```
.background{ background-color: rgb(6, 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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