

Converting Colors

CIELCh(55, 77.583, 138.392)

Have a look what the booklet for
CIELCh(55, 77.583, 138.392)
contains.

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Color

CIELCh(55, 77.378, 138.324)

Conversions

Conversions Part 1

Format	Color
Hex	01991B
RGB	1, 153, 27
RGB Percent	0%, 60%, 11%
CMY	0.9973, 0.3992, 0.8932
CMYK	1.00, 0.00, 0.82, 0.40
HSL	130°, 99%, 30%
HSV	130°, 100%, 60%
XYZ	11.6317, 22.9298, 4.8639
YIQ	93.1880, -50.1460, -71.4100

Conversions

Conversions Part 2

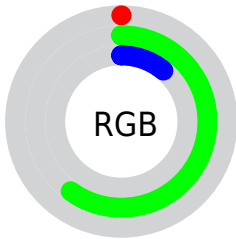
Format	Color
R_{YB}	1, 131, 153
Decimal	104731
CIE _{Lab}	55.00, -57.79, 51.45
CIE _{LCh}	55, 77.378, 138.324
Yxy	22.9298, 0.2950, 0.5816
Android (android.graphics.Color)	4278294811 (0xFF01991B)
YUV	93.1880, -32.6307, -80.8489
Hunter-Lab	47.8851, -40.4400, 27.4973

Details

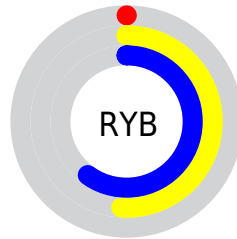
The CIELCh color **55, 77.378, 138.324** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **35, 69.046, 336.441**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 77.383, 138.376**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 77.538, 138.276**, and if you desaturate by 10%, it is **55, 73.251, 139.706**.

Distribution



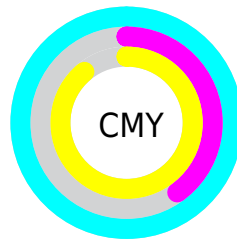
- Red (0%)
- Green (60%)
- Blue (11%)



- Red (0%)
- Yellow (51%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 77.378, 138.324 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, 77.378, 138.324 by changing the saturation by 10% instead.


 55, 77.378,
138.324


 55, 77.378,
138.324


 100, 77.378,
138.324


 45, 77.378,
138.324


 75, 77.378,
138.324

 35, 77.378,
138.324

 85, 77.378,
138.324

 25, 77.378,
138.324

 95, 77.378,
138.324

 15, 77.378,
138.324

 5, 77.378, 138.324

 0, 77.378, 138.324

■ 55, 77.378,
138.324

■ 55, 77.378,
138.324

■ 55, 77.538,
138.276

■ 55, 73.251,
139.706

■ 55, 67.891,
141.246

■ 56, 61.361,
142.752

■ 57, 53.859,
144.155

■ 57, 45.595,
145.418

■ 58, 36.781,
146.530

■ 59, 27.616,
147.499

■ 60, 18.270,

148.339

■ 62, 8.889, 149.073

Harmonies

Complementary

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



55, 77.378, 138.324



35, 69.046, 336.441

Rectangle

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



55, 77.378, 138.324



55, 77.378, 188.324



55, 77.378, 318.324



55, 77.378, 8.324

Sweetspot

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



55, 77.378, 138.325



75, 34.668, 147.405



59, 67.342, 112.692



39, 23.557, 147.043



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, 77.378, 138.325



70, 94.763, 137.970



56, 49.920, 159.749



32, 5.251, 149.096



51, 72.480, 138.402



3, 5.668, 149.546

Inverse Universe

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



35, 69.046, 336.441



45, 83.629, 336.673



32, 58.730, 16.940



30, 5.265, 330.159



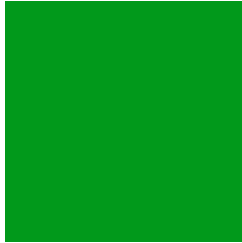
31, 64.857, 336.403



1, 5.603, 330.095

Previews

White Background



This preview shows how the CIE LCh color 55, 77.378, 138.324 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, 77.378, 138.324 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

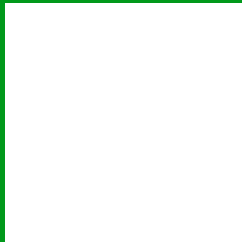
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 77.378, 138.324

Background



This preview shows how black text looks on a background with the CIELCh color 55, 77.378, 138.324.



This preview shows how white text looks on a background with the CIELCh color 55, 77.378, 138.324.

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, 77.338, 138.289

Protanopia

55, 55.572, 94.958

Deuteranopia

55, 49.029, 81.451



Tritanopia
55, 24.560, 212.356

Trichromacy



Original Color
55, 77.338, 138.289



Protanomaly
53, 61.096, 122.333



Deuteranomaly
52, 53.151, 118.684



Tritanomaly
54, 41.200, 162.780

Monochromacy



Original Color
55, 77.338, 138.289



Achromatopsia
39, 0.006, 296.813



Achromatomaly
44, 35.409, 145.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 77.378, 138.324 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(1, 153, 27)` looks like.

```
.text, #text, p{  
    color:rgb(1, 153, 27)  
}
```

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(1, 153, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 153, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 77.378, 138.324 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(1, 153, 27) }
```

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

```
.border{ border-color:rgb(1, 153, 27) }
```

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

Here you see how a box with a 4 pixel rgb(1, 153, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 153, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 153, 27);  
box-shadow:4px 4px 4px 4px rgb(1, 153, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 77.378, 138.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 153, 27) }
```

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

```
.background{ background-color: rgb(1, 153,  
27) }
```

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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