

Converting Colors

CIELCh(53, 95.236, 149.237)

Have a look what the booklet for
CIELCh(53, 95.236, 149.237)
contains.

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Color

CIELCh(55, 77.807, 138.292)

Conversions

Conversions Part 1

Format	Color
Hex	00991A
RGB	0, 153, 26
RGB Percent	0%, 60%, 10%
CMY	1.0000, 0.3989, 0.8976
CMYK	1.00, 0.00, 0.83, 0.40
HSL	130°, 100%, 30%
HSV	130°, 100%, 60%
XYZ	11.5907, 22.9298, 4.7988
YIQ	92.7750, -50.4210, -71.9330

Conversions

Conversions Part 2

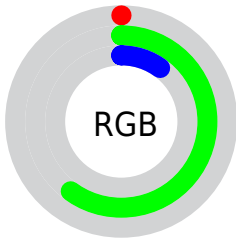
Format	Color
RYB	0, 131, 153
Decimal	39194
CIELab	55.00, -58.09, 51.77
CIELCh	55, 77.807, 138.292
Yxy	22.9298, 0.2948, 0.5832
Android (android.graphics.Color)	4278229274 (0xFF00991A)
YUV	92.7750, -32.9201, -81.3637
Hunter-Lab	47.8851, -40.5926, 27.5778

Details

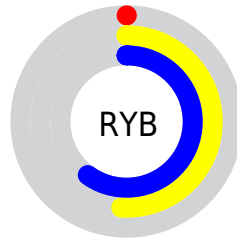
The CIELCh color **55, 77.807, 138.292** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **35, 69.326, 336.268**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 77.749, 138.192**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 77.703, 138.202**, and if you desaturate by 10%, it is **55, 73.646, 139.547**.

Distribution



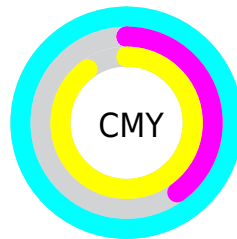
- Red (0%)
- Green (60%)
- Blue (10%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 77.807, 138.292 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, 77.807, 138.292 by changing the saturation by 10% instead.


 55, 77.807,
138.292


 55, 77.807,
138.292


 100, 77.807,
138.292


 45, 77.807,
138.292


 75, 77.807,
138.292

 35, 77.807,
138.292

 85, 77.807,
138.292

 25, 77.807,
138.292

 95, 77.807,
138.292

 15, 77.807,
138.292

 5, 77.807, 138.292

 0, 77.807, 138.292

■ 55, 77.807,
138.292

■ 55, 77.807,
138.292

■ 55, 77.703,
138.202

■ 55, 73.646,
139.547

■ 55, 68.348,
141.075

■ 56, 61.858,
142.577

■ 56, 54.377,
143.981

■ 57, 46.119,
145.247

■ 58, 37.299,
146.364

■ 59, 28.116,
147.338

■ 60, 18.746,

148.181

■ 62, 9.334, 148.918

Harmonies

Complementary

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



55, 77.807, 138.292



35, 69.326, 336.268

Rectangle

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



55, 77.807, 138.292



55, 77.807, 188.292



55, 77.807, 318.292



55, 77.807, 8.292

Sweetspot

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



55, 77.703, 138.202



75, 34.762, 147.284



59, 67.478, 112.710



39, 23.621, 146.923



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, 77.703, 138.202



70, 94.918, 137.901



56, 50.061, 159.661



32, 5.265, 148.972



51, 72.608, 138.328



3, 5.682, 149.423

Inverse Universe

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



35, 69.326, 336.268



45, 83.868, 336.456



32, 58.894, 17.149



30, 5.279, 330.033



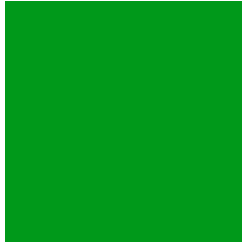
32, 65.038, 336.194



1, 5.618, 329.966

Previews

White Background



This preview shows how the CIELCh color 55, 77.807, 138.292 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, 77.807, 138.292 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

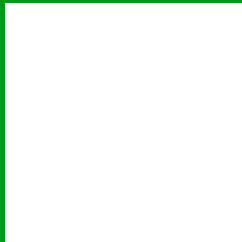
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 77.807, 138.292

Background



This preview shows how black text looks on a background with the CIELCh color 55, 77.807, 138.292.



This preview shows how white text looks on a background with the CIELCh color 55, 77.807, 138.292.

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, 77.613, 138.196

Protanopia

55, 55.833, 94.963

Deuteranopia

55, 49.433, 81.578



Tritanopia
55, 24.560, 212.356

Trichromacy



Original Color
55, 77.613, 138.196



Protanomaly
53, 61.352, 122.229



Deuteranomaly
52, 53.643, 118.986



Tritanomaly
54, 41.587, 162.171

Monochromacy



Original Color
55, 77.613, 138.196



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, 77.807, 138.292 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 77.807, 138.292 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, 26) }
```

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

```
.border{ border-color:rgb(0, 153, 26) }
```

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, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 26);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 77.807, 138.292 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, 26) }
```

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

```
.background{ background-color: rgb(0, 153,  
26) }
```

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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