

Converting Colors

CIELCh(55, 68.347, 143.700)

Have a look what the booklet for
CIELCh(55, 68.347, 143.700)
contains.

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Color

CIELCh(55, 68.354, 143.695)

Conversions

Conversions Part 1

Format	Color
Hex	009938
RGB	0, 153, 56
RGB Percent	0%, 60%, 22%
CMY	1.0000, 0.4015, 0.7818
CMYK	1.00, 0.00, 0.64, 0.40
HSL	142°, 100%, 30%
HSV	142°, 100%, 60%
XYZ	12.0168, 22.9298, 7.4886
YIQ	96.1950, -60.0510, -62.6030

Conversions

Conversions Part 2

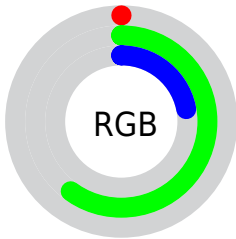
Format	Color
RYB	0, 112, 153
Decimal	39224
CIELab	55.00, -55.08, 40.47
CIELCh	55, 68.354, 143.695
Yxy	22.9298, 0.2832, 0.5403
Android (android.graphics.Color)	4278229304 (0xFF009938)
YUV	96.1950, -19.8161, -84.3630
Hunter-Lab	47.8851, -39.0044, 24.2475

Details

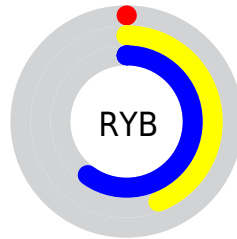
The CIELCh color **55, 68.354, 143.695** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **33, 60.773, 349.485**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 68.460, 143.823**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 68.299, 143.649**, and if you desaturate by 10%, it is **55, 63.947, 145.606**.

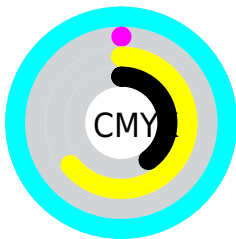
Distribution



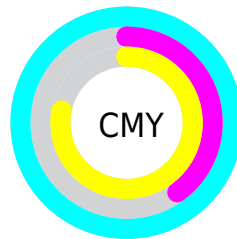
- Red (0%)
- Green (60%)
- Blue (22%)



- Red (0%)
- Yellow (44%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 68.354, 143.695 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, 68.354, 143.695 by changing the saturation by 10% instead.


 55, 68.354,
143.695


 55, 68.354,
143.695


 100, 68.354,
143.695


 45, 68.354,
143.695


 75, 68.354,
143.695

 35, 68.354,
143.695

 85, 68.354,
143.695

 25, 68.354,
143.695

 95, 68.354,
143.695

 15, 68.354,
143.695

 5, 68.354, 143.695

 0, 68.354, 143.695

■ 55, 68.354,
143.695

■ 55, 68.354,
143.695

■ 55, 68.299,
143.649

■ 55, 63.947,
145.606

■ 56, 58.928,
147.542

■ 56, 53.141,
149.307

■ 57, 46.654,
150.882

■ 57, 39.578,
152.271

■ 58, 32.045,
153.488

■ 59, 24.196,
154.554

■ 60, 16.164,

155.492

■ 62, 8.065, 156.331

Harmonies

Complementary

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



55, 68.354, 143.695



33, 60.773, 349.485

Rectangle

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



55, 68.354, 143.695



55, 68.354, 193.695



55, 68.354, 323.695



55, 68.354, 13.695

Sweetspot

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



55, 68.299, 143.649



75, 30.017, 154.494



57, 70.665, 121.976



39, 20.383, 154.097



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, 68.299, 143.649



70, 83.954, 143.189



56, 39.699, 176.476



32, 4.566, 156.393



51, 63.966, 143.822



3, 4.950, 156.757

Inverse Universe

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



33, 60.773, 349.485



44, 73.659, 350.072



31, 64.947, 32.129



30, 4.597, 337.638



30, 57.219, 349.270



1, 4.890, 337.495

Previews

White Background



This preview shows how the CIELCh color 55, 68.354, 143.695 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, 68.354, 143.695 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, 68.354, 143.695

Background



This preview shows how black text looks on a background with the CIELCh color 55, 68.354, 143.695.



This preview shows how white text looks on a background with the CIELCh color 55, 68.354, 143.695.

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, 68.354, 143.695

Protanopia
55, 44.669, 95.608

Deuteranopia
55, 38.659, 79.932



Tritanopia
55, 25.144, 211.951

Trichromacy



Original Color
55, 68.354, 143.695



Protanomaly
53, 51.090, 127.416



Deuteranomaly
52, 43.330, 124.678



Tritanomaly
54, 37.270, 170.261

Monochromacy



Original Color
55, 68.354, 143.695



Achromatopsia
41, 0.006, 296.813



Achromatomaly
45, 30.802, 152.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 68.354, 143.695 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 68.354, 143.695 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, 56) }
```

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

```
.border{ border-color:rgb(0, 153, 56) }
```

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, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 56);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 68.354, 143.695 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, 56) }
```

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

```
.background{ background-color: rgb(0, 153,  
56) }
```

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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