

Converting Colors

CIELCh(55, 64.033, 146.684)

Have a look what the booklet for
CIELCh(55, 64.033, 146.684)
contains.

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Color

CIELCh(55, 63.661, 146.732)

Conversions

Conversions Part 1

Format	Color
Hex	019843
RGB	1, 152, 67
RGB Percent	0%, 60%, 26%
CMY	0.9974, 0.4032, 0.7366
CMYK	1.00, 0.00, 0.56, 0.40
HSL	146°, 99%, 30%
HSV	146°, 100%, 60%
XYZ	12.2855, 22.9298, 9.1154
YIQ	97.1610, -62.7110, -58.4470

Conversions

Conversions Part 2

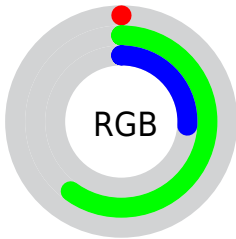
Format	Color
RYB	1, 106, 152
Decimal	104515
CIELab	55.00, -53.23, 34.92
CIElCh	55, 63.661, 146.732
Yxy	22.9298, 0.2771, 0.5172
Android (android.graphics.Color)	4278294595 (0xFF019843)
YUV	97.1610, -14.8694, -84.3332
Hunter-Lab	47.8851, -38.0025, 22.2331

Details

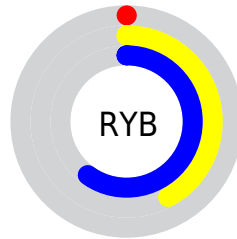
The CIELCh color **55, 63.661, 146.732** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **33, 58.629, 355.620**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 63.927, 146.565**, and **36, 55.431, 139.216** is the 20% darker color. If you saturate the color by 10%, you get **55, 63.833, 146.650**, and if you desaturate by 10%, it is **55, 59.550, 148.798**.

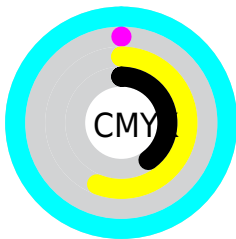
Distribution



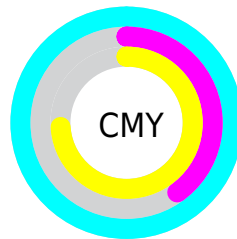
- Red (0%)
- Green (60%)
- Blue (26%)



- Red (0%)
- Yellow (42%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 63.661, 146.732 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, 63.661, 146.732 by changing the saturation by 10% instead.


 55, 63.661,
146.732


 55, 63.661,
146.732


 100, 63.661,
146.732


 45, 63.661,
146.732


 75, 63.661,
146.732

 35, 63.661,
146.732

 85, 63.661,
146.732

 25, 63.661,
146.732

 95, 63.661,
146.732

 15, 63.661,
146.732

 5, 63.661, 146.732

 0, 63.661, 146.732

■ 55, 63.661,
146.732

■ 55, 63.661,
146.732

■ 55, 63.833,
146.650

■ 55, 59.550,
148.798

■ 56, 54.860,
150.792

■ 56, 49.473,
152.592

■ 57, 43.438,
154.194

■ 57, 36.843,
155.607

■ 58, 29.808,
156.850

■ 59, 22.458,
157.947

■ 60, 14.915,

158.922

■ 62, 7.289, 159.805

Harmonies

Complementary

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



55, 63.661, 146.732



33, 58.629, 355.620

Rectangle

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



55, 63.661, 146.732



55, 63.661, 196.732



55, 63.661, 326.732



55, 63.661, 16.732

Sweetspot

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



55, 63.661, 146.732



75, 28.318, 157.840



57, 72.315, 125.383



39, 19.217, 157.428



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, 63.661, 146.732



71, 78.643, 146.158



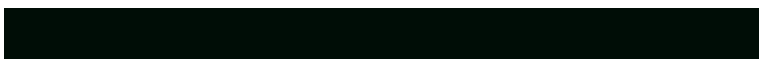
57, 36.058, 186.856



32, 4.322, 159.834



51, 59.910, 146.826



3, 4.695, 160.147

Inverse Universe

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



33, 58.629, 355.620



43, 71.325, 356.535



31, 68.007, 36.660



30, 4.363, 341.166



30, 55.348, 355.472



1, 4.640, 340.967

Previews

White Background



This preview shows how the CIE LCh color 55, 63.661, 146.732 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, 63.661, 146.732 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, 63.661, 146.732

Background



This preview shows how black text looks on a background with the CIELCh color 55, 63.661, 146.732.



This preview shows how white text looks on a background with the CIELCh color 55, 63.661, 146.732.

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, 63.618, 146.697

Protanopia
55, 39.840, 95.878

Deuteranopia
55, 33.055, 77.324



Tritanopia
55, 25.358, 213.190

Trichromacy



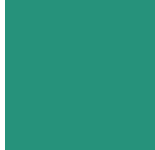
Original Color
55, 63.618, 146.697



Protanomaly
53, 46.274, 130.189



Deuteranomaly
53, 38.055, 127.805



Tritanomaly
54, 35.735, 174.234

Monochromacy



Original Color
55, 63.618, 146.697



Achromatopsia
41, 0.006, 296.813



Achromatomaly
45, 28.388, 155.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 63.661, 146.732 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, 152, 67)` looks like.

```
.text, #text, p{  
    color:rgb(1, 152, 67)  
}
```

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, 152, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 152, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 63.661, 146.732 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, 152, 67) }
```

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

```
.border{ border-color:rgb(1, 152, 67) }
```

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

Here you see how a box with a 4 pixel rgb(1, 152, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 152, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 152, 67);  
box-shadow:4px 4px 4px 4px rgb(1, 152, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 63.661, 146.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 152, 67) }
```

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

```
.background{ background-color: rgb(1, 152,  
67) }
```

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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