

Converting Colors

CIELCh(55, 62.352, 147.980)

Have a look what the booklet for
CIELCh(55, 62.352, 147.980)
contains.

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Color

CIELCh(55, 62.072, 147.927)

Conversions

Conversions Part 1

Format	Color
Hex	009847
RGB	0, 152, 71
RGB Percent	0%, 60%, 28%
CMY	0.9993, 0.4037, 0.7214
CMYK	1.00, 0.00, 0.53, 0.40
HSL	148°, 100%, 30%
HSV	148°, 100%, 60%
XYZ	12.3776, 22.9298, 9.7423
YIQ	97.3180, -64.5910, -57.4150

Conversions

Conversions Part 2

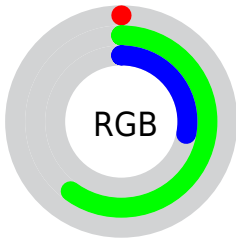
Format	Color
RYB	0, 104, 152
Decimal	38983
CIELab	55.00, -52.60, 32.96
CIELCh	55, 62.072, 147.927
Yxy	22.9298, 0.2748, 0.5090
Android (android.graphics.Color)	4278229063 (0xFF009847)
YUV	97.3180, -12.9748, -85.3479
Hunter-Lab	47.8851, -37.6594, 21.4569

Details

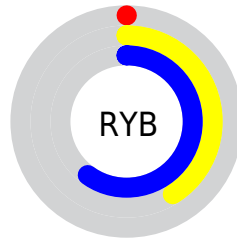
The CIELCh color **55, 62.072, 147.927** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **32, 58.117, 358.182**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 61.942, 147.992**, and **36, 53.843, 140.457** is the 20% darker color. If you saturate the color by 10%, you get **55, 62.118, 147.904**, and if you desaturate by 10%, it is **55, 58.100, 150.012**.

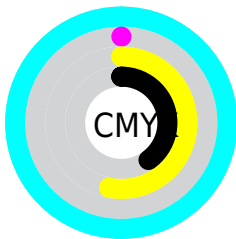
Distribution



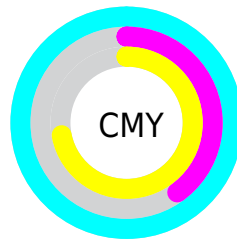
- Red (0%)
- Green (60%)
- Blue (28%)



- Red (0%)
- Yellow (41%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 62.072, 147.927 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, 62.072, 147.927 by changing the saturation by 10% instead.


 55, 62.072,
147.927


 55, 62.072,
147.927


 100, 62.072,
147.927


 45, 62.072,
147.927


 75, 62.072,
147.927

 35, 62.072,
147.927

 85, 62.072,
147.927

 25, 62.072,
147.927

 95, 62.072,
147.927

 15, 62.072,
147.927

 5, 62.072, 147.927

 0, 62.072, 147.927

■ 55, 62.072,
147.927

■ 55, 62.072,
147.927

■ 55, 62.118,
147.904

■ 55, 58.100,
150.012

■ 56, 53.587,
152.026

■ 56, 48.395,
153.843

■ 57, 42.563,
155.459

■ 57, 36.174,
156.886

■ 58, 29.340,
158.145

■ 59, 22.184,
159.259

■ 60, 14.824,

160.252

■ 61, 7.369, 161.154

Harmonies

Complementary

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



55, 62.072, 147.927



32, 58.117, 358.182

Rectangle

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



55, 62.072, 147.927



55, 62.072, 197.927



55, 62.072, 327.927



55, 62.072, 17.927

Sweetspot

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



55, 62.072, 147.927



76, 27.707, 159.182



56, 72.760, 126.033



39, 18.797, 158.765



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, 62.072, 147.927



71, 76.580, 147.404



57, 35.486, 189.119



32, 4.235, 161.211



51, 58.344, 148.081



3, 4.605, 161.502

Inverse Universe

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



32, 58.117, 358.182



43, 70.741, 359.083



31, 68.696, 37.437



30, 4.280, 342.577



30, 54.855, 357.922



1, 4.551, 342.354

Previews

White Background



This preview shows how the CIELCh color 55, 62.072, 147.927 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, 62.072, 147.927 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, 62.072, 147.927

Background



This preview shows how black text looks on a background with the CIELCh color 55, 62.072, 147.927.



This preview shows how white text looks on a background with the CIELCh color 55, 62.072, 147.927.

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, 62.072, 147.927

Protanopia

55, 37.849, 95.679

Deuteranopia

55, 31.327, 76.898



Tritanopia
55, 25.542, 213.057

Trichromacy



Original Color
55, 62.072, 147.927



Protanomaly
53, 44.632, 131.788



Deuteranomaly
53, 36.753, 129.371



Tritanomaly
54, 35.417, 175.053

Monochromacy



Original Color
55, 62.072, 147.927



Achromatopsia
41, 0.006, 296.813



Achromatomaly
45, 27.543, 157.713

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 62.072, 147.927 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, 152, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 71)  
}
```

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, 152, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 62.072, 147.927 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, 152, 71) }
```

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

```
.border{ border-color:rgb(0, 152, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 152, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 62.072, 147.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 71) }
```

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

```
.background{ background-color: rgb(0, 152,  
71) }
```

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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