

Converting Colors

CIELCh(55, 69.331, 143.062)

Have a look what the booklet for
CIELCh(55, 69.331, 143.062)
contains.

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Color

CIELCh(55, 69.445, 142.989)

Conversions

Conversions Part 1

Format	Color
Hex	009935
RGB	0, 153, 53
RGB Percent	0%, 60%, 21%
CMY	1.0000, 0.4012, 0.7933
CMYK	1.00, 0.00, 0.65, 0.40
HSL	141°, 100%, 30%
HSV	141°, 100%, 60%
XYZ	11.9639, 22.9298, 7.1292
YIQ	95.8530, -59.0880, -63.5360

Conversions

Conversions Part 2

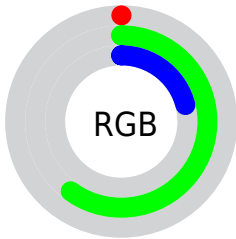
Format	Color
RYB	0, 114, 153
Decimal	39221
CIELab	55.00, -55.45, 41.80
CIELCh	55, 69.445, 142.989
Yxy	22.9298, 0.2847, 0.5457
Android (android.graphics.Color)	4278229301 (0xFF009935)
YUV	95.8530, -21.1265, -84.0631
Hunter-Lab	47.8851, -39.2013, 24.6925

Details

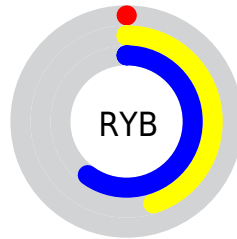
The CIELCh color **55, 69.445, 142.989** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **33, 61.440, 347.955**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 69.490, 142.948**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 69.402, 142.952**, and if you desaturate by 10%, it is **55, 65.009, 144.873**.

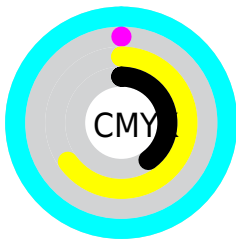
Distribution



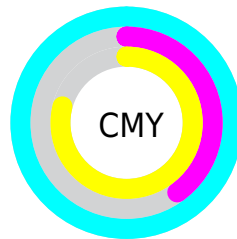
- Red (0%)
- Green (60%)
- Blue (21%)



- Red (0%)
- Yellow (45%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 69.445, 142.989 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, 69.445, 142.989 by changing the saturation by 10% instead.


 55, 69.445,
142.989


 55, 69.445,
142.989


 100, 69.445,
142.989


 45, 69.445,
142.989


 75, 69.445,
142.989

 35, 69.445,
142.989

 85, 69.445,
142.989

 25, 69.445,
142.989

 95, 69.445,
142.989

 15, 69.445,
142.989

 5, 69.445, 142.989

 0, 69.445, 142.989

■ 55, 69.445,
142.989

■ 55, 69.445,
142.989

■ 55, 69.402,
142.952

■ 55, 65.009,
144.873

■ 56, 59.915,
146.785

■ 56, 54.027,
148.534

■ 57, 47.424,
150.097

■ 57, 40.220,
151.476

■ 58, 32.555,
152.684

■ 59, 24.573,
153.740

■ 60, 16.411,

154.668

■ 62, 8.185, 155.495

Harmonies

Complementary

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



55, 69.445, 142.989



33, 61.440, 347.955

Rectangle

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



55, 69.445, 142.989



55, 69.445, 192.989



55, 69.445, 322.989



55, 69.445, 12.989

Sweetspot

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



55, 69.402, 142.952



75, 30.473, 153.681



58, 70.324, 121.226



39, 20.695, 153.288



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, 69.402, 142.952



70, 85.264, 142.503



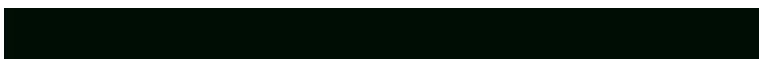
56, 40.528, 174.628



32, 4.632, 155.556



51, 64.974, 143.123



3, 5.019, 155.931

Inverse Universe

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



33, 61.440, 347.955



44, 74.435, 348.493



31, 64.267, 30.998



30, 4.661, 336.779



30, 57.826, 347.756



1, 4.959, 336.648

Previews

White Background



This preview shows how the CIELCh color 55, 69.445, 142.989 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, 69.445, 142.989 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, 69.445, 142.989

Background



This preview shows how black text looks on a background with the CIELCh color 55, 69.445, 142.989.



This preview shows how white text looks on a background with the CIELCh color 55, 69.445, 142.989.

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, 69.445, 142.989

Protanopia
55, 46.011, 95.685

Deuteranopia
55, 39.846, 79.807



Tritanopia
55, 24.952, 212.082

Trichromacy



Original Color

55, 69.445, 142.989



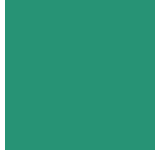
Protanomaly

53, 52.337, 126.763



Deuteranomaly

52, 44.112, 123.686



Tritanomaly

55, 38.140, 168.959

Monochromacy



Original Color

55, 69.445, 142.989



Achromatopsia

41, 0.006, 296.813



Achromatomaly

45, 31.246, 151.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 69.445, 142.989 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 69.445, 142.989 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, 53) }
```

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

```
.border{ border-color:rgb(0, 153, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 69.445, 142.989 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, 53) }
```

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

```
.background{ background-color: rgb(0, 153,  
53) }
```

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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