

Converting Colors

CIELCh(55, 78.829, 133.179)

Have a look what the booklet for
CIELCh(55, 78.829, 133.179)
contains.

CIELCh(55, 78.534, 133.266)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 78.534, 133.266)

Conversions

Conversions Part 1

Format	Color
Hex	2B9800
RGB	43, 152, 0
RGB Percent	17%, 60%, 0%
CMY	0.8320, 0.4043, 1.0000
CMYK	0.72, 0.00, 1.00, 0.40
HSL	103°, 100%, 30%
HSV	103°, 100%, 60%
XYZ	12.1985, 22.9298, 3.7770
YIQ	102.0810, -16.1720, -70.3800

Conversions

Conversions Part 2

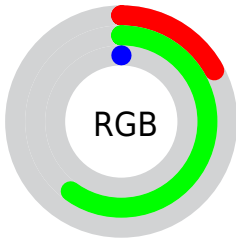
Format	Color
RYB	0, 152, 109
Decimal	2856960
CIELab	55.00, -53.83, 57.19
CIELCh	55, 78.534, 133.266
Yxy	22.9298, 0.3135, 0.5894
Android (android.graphics.Color)	4281047040 (0xFF2B9800)
YUV	102.0810, -50.3259, -51.8140
Hunter-Lab	47.8851, -38.3269, 28.8430

Details

The CIELCh color **55, 78.534, 133.266** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **28, 81.021, 318.075**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 78.189, 133.228**, and **36, 59.853, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 78.507, 133.280**, and if you desaturate by 10%, it is **55, 75.050, 132.864**.

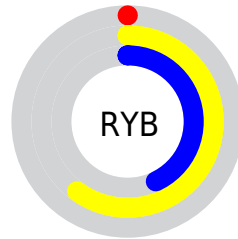
Distribution



Red (17%)

Green (60%)

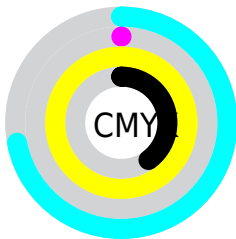
Blue (0%)



Red (0%)

Yellow (60%)

Blue (43%)

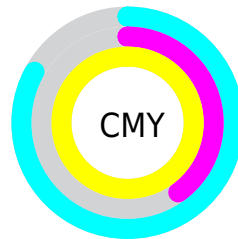


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (83%)


Magenta (40%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 78.534, 133.266 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, 78.534, 133.266 by changing the saturation by 10% instead.


 55, 78.534,
133.266

 55, 78.534,
133.266


 100, 78.534,
133.266

 45, 78.534,
133.266

 75, 78.534,
133.266

 35, 78.534,
133.266

 85, 78.534,
133.266

 25, 78.534,
133.266

 95, 78.534,
133.266

 15, 78.534,
133.266

 5, 78.534, 133.266

 0, 78.534, 133.266

■ 55, 78.534,
133.266

■ 55, 78.534,
133.266

■ 55, 78.507,
133.280

■ 55, 75.050,
132.864

■ 56, 70.141,
132.682

■ 56, 63.628,
132.850

■ 57, 55.894,
133.249

■ 58, 47.317,
133.768

■ 58, 38.198,
134.329

■ 59, 28.764,
134.885

■ 60, 19.177,

135.409

■ 62, 9.558, 135.891

Harmonies

Complementary

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



55, 78.534, 133.266



28, 81.021, 318.075

Rectangle

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



55, 78.534, 133.266



55, 78.534, 183.266



55, 78.534, 313.266



55, 78.534, 3.266

Sweetspot

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



55, 78.507, 133.280



75, 35.454, 134.853



49, 56.504, 80.737



39, 24.353, 134.640



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, 78.507, 133.280



70, 95.210, 133.519



55, 75.378, 139.204



32, 5.432, 135.927



51, 73.988, 133.191



3, 5.870, 136.448

Inverse Universe

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



28, 81.021, 318.075



37, 98.062, 317.899



34, 66.566, 338.984



30, 5.472, 316.660



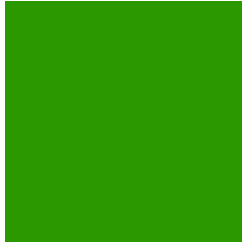
26, 76.414, 318.138



1, 5.844, 315.919

Previews

White Background



This preview shows how the CIELCh color 55, 78.534, 133.266 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, 78.534, 133.266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

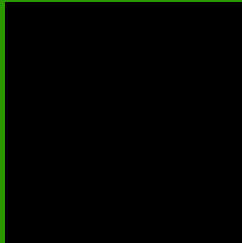
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 78.534, 133.266

Background



This preview shows how black text looks on a background with the CIELCh color 55, 78.534, 133.266.

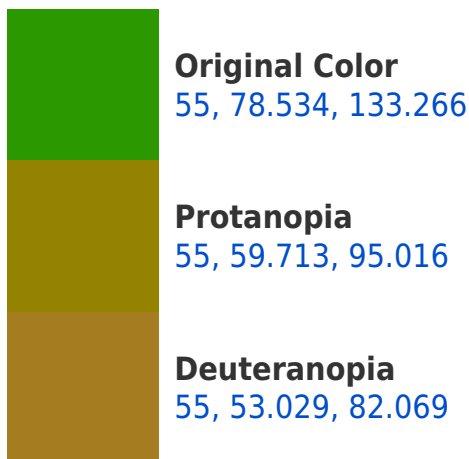



This preview shows how white text looks on a background with the CIELCh color 55, 78.534, 133.266.

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





Tritanopia
55, 21.800, 216.195

Trichromacy



Original Color
55, 78.534, 133.266

Protanomaly
54, 63.387, 114.919

Deuteranomaly
53, 56.629, 109.439

Tritanomaly
54, 40.744, 153.565

Monochromacy



Original Color
55, 78.534, 133.266

Achromatopsia
43, 0.006, 296.813

Achromatomaly
46, 36.058, 134.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 78.534, 133.266 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(43, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 152, 0)  
}
```

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(43, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 152, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 78.534, 133.266 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(43, 152, 0) }
```

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

```
.border{ border-color:rgb(43, 152, 0) }
```

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

Here you see how a box with a 4 pixel rgb(43, 152, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(43, 152, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 78.534, 133.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 152, 0) }
```

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

```
.background{ background-color: rgb(43, 152,  
0) }
```

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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