

Converting Colors

CIELCh(55, 78.666, 133.010)

Have a look what the booklet for
CIELCh(55, 78.666, 133.010)
contains.

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Color

CIELCh(55, 78.421, 133.148)

Conversions

Conversions Part 1

Format	Color
Hex	2C9800
RGB	44, 152, 0
RGB Percent	17%, 60%, 0%
CMY	0.8284, 0.4046, 1.0000
CMYK	0.71, 0.00, 1.00, 0.40
HSL	103°, 100%, 30%
HSV	103°, 100%, 60%
XYZ	12.2269, 22.9298, 3.7721
YIQ	102.3800, -15.5760, -70.1680

Conversions

Conversions Part 2

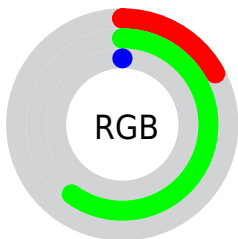
Format	Color
RYB	0, 152, 108
Decimal	2922496
CIELab	55.00, -53.63, 57.22
CIELCh	55, 78.421, 133.148
Yxy	22.9298, 0.3141, 0.5890
Android (android.graphics.Color)	4281112576 (0xFF2C9800)
YUV	102.3800, -50.4733, -51.1993
Hunter-Lab	47.8851, -38.2213, 28.8490

Details

The CIELCh color **55, 78.421, 133.148** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **28, 81.085, 317.878**, 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, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 78.377, 133.170**, and if you desaturate by 10%, it is **55, 74.913, 132.736**.

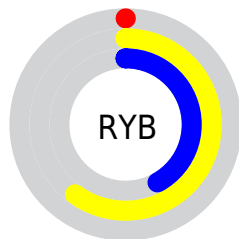
Distribution



Red (17%)

Green (60%)

Blue (0%)



Red (0%)

Yellow (60%)

Blue (42%)

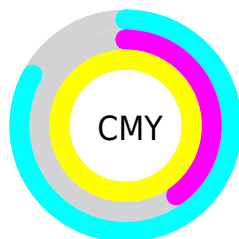


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (83%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 78.421, 133.148 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, 78.421, 133.148 by changing the saturation by 10% instead.

 55, 78.421,
133.148

 55, 78.421,
133.148


 100, 78.421,
133.148


 45, 78.421,
133.148


 75, 78.421,
133.148

 35, 78.421,
133.148

 85, 78.421,
133.148

 25, 78.421,
133.148

 95, 78.421,
133.148

 15, 78.421,
133.148

 5, 78.421, 133.148

 0, 78.421, 133.148

■ 55, 78.421,
133.148

■ 55, 78.421,
133.148

■ 55, 78.377,
133.170

■ 55, 74.913,
132.736

■ 56, 70.004,
132.539

■ 56, 63.497,
132.694

■ 57, 55.775,
133.082

■ 58, 47.214,
133.593

■ 58, 38.114,
134.148

■ 59, 28.701,
134.698

■ 60, 19.136,

135.219

■ 62, 9.538, 135.699

Harmonies

Complementary

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



55, 78.421, 133.148



28, 81.085, 317.878

Rectangle

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



55, 78.421, 133.148



55, 78.421, 183.148



55, 78.421, 313.148



55, 78.421, 3.148

Sweetspot

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



55, 78.377, 133.170



75, 35.388, 134.667



48, 56.301, 79.206



39, 24.308, 134.455



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, 78.377, 133.170



70, 95.084, 133.413



55, 76.031, 138.826



32, 5.422, 135.734



51, 73.887, 133.080



3, 5.860, 136.258

Inverse Universe

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



28, 81.085, 317.878



37, 98.172, 317.700



34, 67.358, 337.973



30, 5.464, 316.466



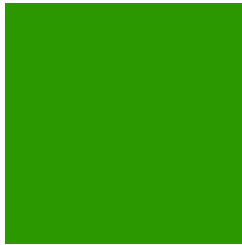
26, 76.496, 317.942



1, 5.834, 315.727

Previews

White Background



This preview shows how the CIELCh color 55, 78.421, 133.148 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, 78.421, 133.148 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, 78.421, 133.148

Background



This preview shows how black text looks on a background with the CIELCh color 55, 78.421, 133.148.



This preview shows how white text looks on a background with the CIELCh color 55, 78.421, 133.148.

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, 78.421, 133.148

Protanopia
55, 59.713, 95.016

Deuteranopia
55, 53.029, 82.069



Tritanopia
55, 21.800, 216.195

Trichromacy



Original Color
55, 78.421, 133.148



Protanomaly
54, 63.387, 114.919



Deuteranomaly
53, 56.629, 109.439



Tritanomaly
54, 40.546, 153.342

Monochromacy



Original Color
55, 78.421, 133.148



Achromatopsia
43, 0.006, 296.813



Achromatomaly
46, 35.859, 133.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 78.421, 133.148 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(44, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 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(44, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 152, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 78.421, 133.148 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(44, 152, 0) }
```

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

```
.border{ border-color:rgb(44, 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(44, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(44, 152, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 78.421, 133.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 152, 0) }
```

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

```
.background{ background-color: rgb(44, 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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