

Converting Colors

CIELCh(55, 78.362, 132.691)

Have a look what the booklet for
CIELCh(55, 78.362, 132.691)
contains.

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Color

CIELCh(55, 78.189, 132.905)

Conversions

Conversions Part 1

Format	Color
Hex	2E9800
RGB	46, 152, 0
RGB Percent	18%, 60%, 0%
CMY	0.8212, 0.4051, 1.0000
CMYK	0.70, 0.00, 1.00, 0.41
HSL	102°, 100%, 30%
HSV	102°, 100%, 59%
XYZ	12.2852, 22.9298, 3.7622
YIQ	102.9780, -14.3840, -69.7440

Conversions

Conversions Part 2

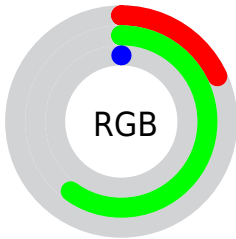
Format	Color
RYB	0, 152, 106
Decimal	3053568
CIELab	55.00, -53.23, 57.27
CIELCh	55, 78.189, 132.905
Yxy	22.9298, 0.3152, 0.5883
Android (android.graphics.Color)	4281243648 (0xFF2E9800)
YUV	102.9780, -50.7682, -49.9697
Hunter-Lab	47.8851, -38.0036, 28.8613

Details

The CIELCh color **55, 78.189, 132.905** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **28, 81.214, 317.491**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 77.866, 132.858**, and **36, 60.276, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 78.113, 132.942**, and if you desaturate by 10%, it is **55, 74.635, 132.474**.

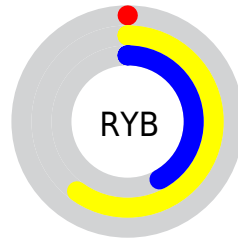
Distribution



Red (18%)

Green (60%)

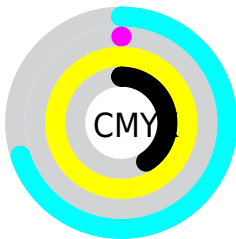
Blue (0%)



Red (0%)

Yellow (60%)

Blue (42%)

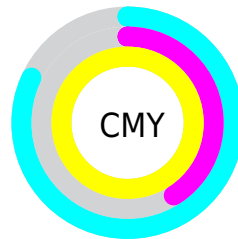


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (82%)


Magenta (41%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 78.189, 132.905 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, 78.189, 132.905 by changing the saturation by 10% instead.


 55, 78.189,
132.905


 55, 78.189,
132.905


 100, 78.189,
132.905


 45, 78.189,
132.905


 75, 78.189,
132.905

 35, 78.189,
132.905

 85, 78.189,
132.905

 25, 78.189,
132.905

 95, 78.189,
132.905

 15, 78.189,
132.905

 5, 78.189, 132.905

 0, 78.189, 132.905

■ 55, 78.189,
132.905

■ 55, 78.189,
132.905

■ 55, 78.113,
132.942

■ 55, 74.635,
132.474

■ 56, 69.728,
132.248

■ 56, 63.234,
132.378

■ 57, 55.536,
132.745

■ 58, 47.008,
133.239

■ 58, 37.947,
133.782

■ 59, 28.575,
134.323

■ 60, 19.053,

134.837

■ 62, 9.498, 135.312

Harmonies

Complementary

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



55, 78.189, 132.905



28, 81.214, 317.491

Rectangle

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



55, 78.189, 132.905



55, 78.189, 182.905



55, 78.189, 312.905



55, 78.189, 2.905

Sweetspot

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



55, 78.113, 132.942



75, 35.257, 134.292



48, 56.127, 77.666



39, 24.217, 134.084



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, 78.113, 132.942



70, 94.827, 133.194



54, 76.623, 138.474



32, 5.403, 135.348



51, 73.682, 132.851



3, 5.840, 135.877

Inverse Universe

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



28, 81.214, 317.491



37, 98.395, 317.307



34, 68.151, 336.996



30, 5.446, 316.076



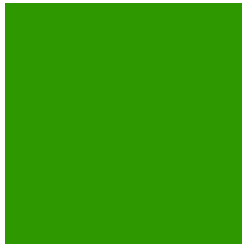
25, 76.663, 317.556



1, 5.815, 315.342

Previews

White Background



This preview shows how the CIE LCh color 55, 78.189, 132.905 looks on a white background.

Color Contrast Check

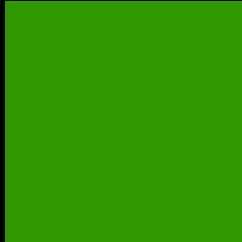
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.189, 132.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

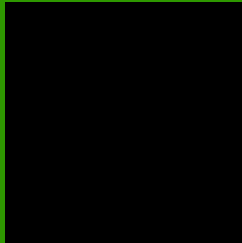
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 78.189, 132.905

Background



This preview shows how black text looks on a background with the CIELCh color 55, 78.189, 132.905.



This preview shows how white text looks on a background with the CIELCh color 55, 78.189, 132.905.

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, 78.189, 132.905

Protanopia
55, 59.713, 95.016

Deuteranopia
55, 53.029, 82.069



Tritanopia
55, 21.498, 214.838

Trichromacy



Original Color
55, 78.189, 132.905



Protanomaly
54, 63.281, 114.533



Deuteranomaly
53, 56.574, 108.976



Tritanomaly
54, 40.347, 153.113

Monochromacy



Original Color
55, 78.189, 132.905



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 35.817, 133.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 78.189, 132.905 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(46, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 152, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 78.189, 132.905 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(46, 152, 0) }
```

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

```
.border{ border-color:rgb(46, 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(46, 152, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 152, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 78.189, 132.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 152, 0) }
```

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

```
.background{ background-color: rgb(46, 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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