

Converting Colors

CIELCh(55, 78.988, 133.343)

Have a look what the booklet for
CIELCh(55, 78.988, 133.343)
contains.

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Color

CIELCh(55, 78.755, 133.492)

Conversions

Conversions Part 1

Format	Color
Hex	299800
RGB	41, 152, 0
RGB Percent	16%, 60%, 0%
CMY	0.8392, 0.4039, 0.9999
CMYK	0.73, 0.00, 1.00, 0.40
HSL	104°, 100%, 30%
HSV	104°, 100%, 60%
XYZ	12.1439, 22.9298, 3.7862
YIQ	101.4830, -17.3640, -70.8040

Conversions

Conversions Part 2

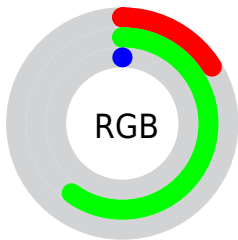
Format	Color
RYB	0, 152, 111
Decimal	2725888
CIELab	55.00, -54.20, 57.13
CIELCh	55, 78.755, 133.492
Yxy	22.9298, 0.3125, 0.5901
Android (android.graphics.Color)	4280915968 (0xFF299800)
YUV	101.4830, -50.0311, -53.0436
Hunter-Lab	47.8851, -38.5307, 28.8317

Details

The CIELCh color **55, 78.755, 133.492** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **29, 80.889, 318.474**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 78.510, 133.589**, and **36, 59.853, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **55, 78.759, 133.493**, and if you desaturate by 10%, it is **55, 75.313, 133.113**.

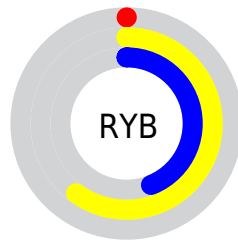
Distribution



Red (16%)

Green (60%)

Blue (0%)



Red (0%)

Yellow (60%)

Blue (44%)

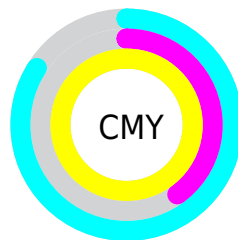


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (84%)


Magenta (40%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 78.755, 133.492 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, 78.755, 133.492 by changing the saturation by 10% instead.

 55, 78.755,
133.492


 55, 78.755,
133.492

 100, 78.755,
133.492

 45, 78.755,
133.492


 75, 78.755,
133.492

 35, 78.755,
133.492

 85, 78.755,
133.492

 25, 78.755,
133.492

 95, 78.755,
133.492

 15, 78.755,
133.492

 5, 78.755, 133.492

 0, 78.755, 133.492

■ 55, 78.755,
133.492

■ 55, 78.755,
133.492

■ 55, 78.759,
133.493

■ 55, 75.313,
133.113

■ 56, 70.405,
132.963

■ 56, 63.878,
133.158

■ 57, 56.121,
133.579

■ 58, 47.511,
134.116

■ 58, 38.353,
134.692

■ 59, 28.876,
135.258

■ 60, 19.246,

135.789

■ 62, 9.584, 136.276

Harmonies

Complementary

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



55, 78.755, 133.492



29, 80.889, 318.474

Rectangle

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



55, 78.755, 133.492



55, 78.755, 183.492



55, 78.755, 313.492



55, 78.755, 3.492

Sweetspot

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



55, 78.755, 133.493



75, 35.588, 135.225



49, 56.532, 80.737



39, 24.445, 135.008



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, 78.755, 133.493



70, 95.455, 133.725



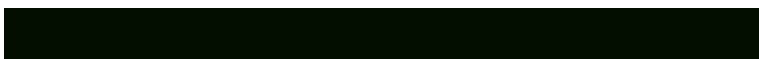
55, 75.417, 139.205



32, 5.451, 136.312



51, 74.185, 133.406



3, 5.890, 136.828

Inverse Universe

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



29, 80.889, 318.474



38, 97.846, 318.304



34, 66.601, 338.983



30, 5.490, 317.049



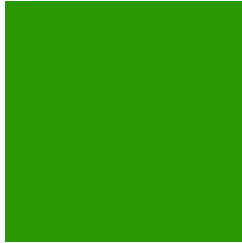
26, 76.252, 318.534



1, 5.863, 316.302

Previews

White Background



This preview shows how the CIELCh color 55, 78.755, 133.492 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 CIE LCh color 55, 78.755, 133.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

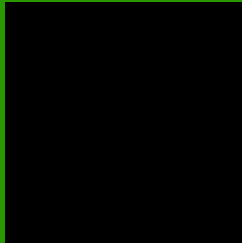
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 78.755, 133.492

Background



This preview shows how black text looks on a background with the CIELCh color 55, 78.755, 133.492.



This preview shows how white text looks on a background with the CIELCh color 55, 78.755, 133.492.

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, 78.755, 133.492

Protanopia

55, 59.713, 95.016

Deuteranopia

55, 53.029, 82.069



Tritanopia
55, 22.026, 215.978

Trichromacy



Original Color
55, 78.755, 133.492



Protanomaly
54, 63.495, 115.301



Deuteranomaly
53, 56.687, 109.900



Tritanomaly
54, 40.939, 153.783

Monochromacy



Original Color
55, 78.755, 133.492



Achromatopsia
43, 0.006, 296.813



Achromatomaly
46, 36.740, 134.416

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 78.755, 133.492 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(41, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(41, 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(41, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 152, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 78.755, 133.492 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(41, 152, 0) }
```

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

```
.border{ border-color:rgb(41, 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(41, 152, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(41, 152, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 78.755, 133.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 152, 0) }
```

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

```
.background{ background-color: rgb(41, 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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