

Converting Colors

CIELCh(33, 33.351, 156.096)

Have a look what the booklet for
CIELCh(33, 33.351, 156.096)
contains.

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Color

CIELCh(33, 33.498, 155.954)

Conversions

Conversions Part 1

Format	Color
Hex	105937
RGB	16, 89, 55
RGB Percent	6%, 35%, 22%
CMY	0.9370, 0.6508, 0.7842
CMYK	0.82, 0.00, 0.38, 0.65
HSL	152°, 69%, 21%
HSV	152°, 82%, 35%
XYZ	4.4802, 7.5373, 4.8371
YIQ	63.2970, -32.5940, -26.0500

Conversions

Conversions Part 2

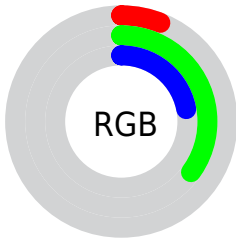
Format	Color
R_{YB}	16, 64, 89
Decimal	1071415
CIE _{Lab}	33.00, -30.59, 13.65
CIE _{LCh}	33, 33.498, 155.954
Yxy	7.5373, 0.2658, 0.4472
Android (android.graphics.Color)	4279261495 (0xFF105937)
YUV	63.2970, -4.0904, -41.4795
Hunter-Lab	27.4541, -18.9155, 8.7717

Details

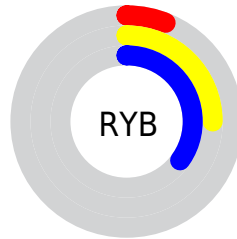
The CIELCh color **33, 33.498, 155.954** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **19, 35.451, 356.598**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 33.727, 155.888**, and **14, 26.938, 146.887** is the 20% darker color. If you saturate the color by 10%, you get **33, 36.280, 154.118**, and if you desaturate by 10%, it is **33, 30.343, 157.633**.

Distribution



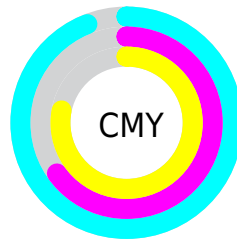
- Red (6%)
- Green (35%)
- Blue (22%)



- Red (6%)
- Yellow (25%)
- Blue (35%)



- Cyan (82%)
- Magenta (0%)
- Yellow (38%)
- Black (65%)





- Cyan (94%)
- Magenta (65%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 33.498, 155.954 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 33, 33.498, 155.954 by changing the saturation by 10% instead.


 33, 33.498,
155.954


 33, 33.498,
155.954

 100, 33.498,
155.954


 23, 33.498,
155.954

 53, 33.498,
155.954


 13, 33.498,
155.954


 63, 33.498,
155.954

 3, 33.498, 155.954

 73, 33.498,
155.954

 0, 33.498, 155.954

 83, 33.498,
155.954

 93, 33.498,
155.954

■ 33, 33.498,
155.954

■ 33, 33.498,
155.954

■ 33, 36.280,
154.118

■ 33, 30.343,
157.633

■ 33, 38.453,
152.771

■ 34, 26.814,
159.135

■ 34, 22.956,
160.476

■ 35, 18.829,
161.674

■ 35, 14.497,
162.750

■ 36, 10.026,
163.723

■ 37, 5.475, 164.619

■ 38, 0.897, 165.637

Harmonies

Complementary

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



33, 33.498, 155.954



19, 35.451, 356.598

Rectangle

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



33, 33.498, 155.954



33, 33.498, 205.954



33, 33.498, 335.954



33, 33.498, 25.954

Sweetspot

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



33, 33.498, 155.954



46, 14.037, 163.362



34, 44.425, 127.490



23, 9.639, 163.145



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33, 33.498, 155.954



42, 46.044, 152.353



33, 20.866, 200.939



17, 2.504, 164.900



39, 44.256, 152.184



82, 81.267, 150.541

Inverse Universe

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



19, 35.451, 356.598



24, 46.518, 2.489



18, 37.980, 33.294



16, 2.537, 346.160



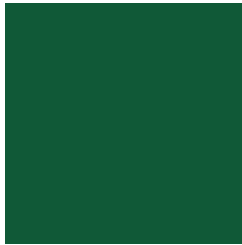
21, 44.707, 2.769



50, 79.266, 6.053

Previews

White Background



This preview shows how the CIELCh color 33, 33.498, 155.954 looks on a white 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 33, 33.498, 155.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 33.498, 155.954

Background



This preview shows how black text looks on a background with the CIELCh color 33, 33.498, 155.954.



This preview shows how white text looks on a background with the CIELCh color 33, 33.498, 155.954.

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

33, 33.498, 155.954

Protanopia

33, 17.170, 95.669

Deuteranopia

33, 13.074, 69.674



Tritanopia
33, 17.025, 212.456

Trichromacy



Original Color
33, 33.498, 155.954

Protanomaly
32, 20.703, 135.897

Deuteranomaly
32, 15.431, 133.993

Tritanomaly
33, 20.570, 184.097

Monochromacy



Original Color
33, 33.498, 155.954

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 13.644, 162.678

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 33.498, 155.954 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(16, 89, 55)` looks like.

```
.text, #text, p{  
    color:rgb(16, 89, 55)  
}
```

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(16, 89, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 89, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 33.498, 155.954 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(16, 89, 55) }
```

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

```
.border{ border-color:rgb(16, 89, 55) }
```

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

Here you see how a box with a 4 pixel rgb(16, 89, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 89, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 89, 55);  
box-shadow:4px 4px 4px 4px rgb(16, 89, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 33.498, 155.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 89, 55) }
```

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

```
.background{ background-color: rgb(16, 89,  
55) }
```

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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