

Converting Colors

CIELCh(40, 33.052, 159.497)

Have a look what the booklet for
CIELCh(40, 33.052, 159.497)
contains.

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Color

CIELCh(40, 33.417, 158.925)

Conversions

Conversions Part 1

Format	Color
Hex	216B4A
RGB	33, 107, 74
RGB Percent	13%, 42%, 29%
CMY	0.8722, 0.5817, 0.7110
CMYK	0.69, 0.00, 0.31, 0.58
HSL	153°, 53%, 27%
HSV	153°, 69%, 42%
XYZ	7.0617, 11.2510, 8.2221
YIQ	81.1120, -33.5110, -25.9510

Conversions

Conversions Part 2

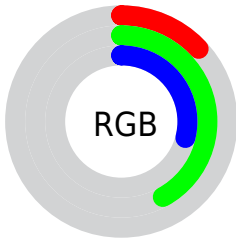
Format	Color
RYB	33, 81, 107
Decimal	2190154
CIELab	40.00, -31.18, 12.02
CIELCh	40, 33.417, 158.925
Yxy	11.2510, 0.2661, 0.4240
Android (android.graphics.Color)	4280380234 (0xFF216B4A)
YUV	81.1120, -3.5062, -42.1942
Hunter-Lab	33.5425, -21.1195, 8.9462

Details

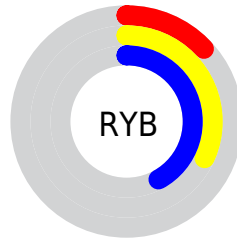
The CIELCh color **40, 33.417, 158.925** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **25, 36.204, 355.554**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 33.356, 159.141**, and **21, 29.000, 153.112** is the 20% darker color. If you saturate the color by 10%, you get **40, 37.011, 157.224**, and if you desaturate by 10%, it is **40, 29.385, 160.443**.

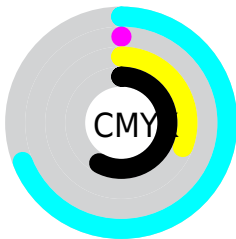
Distribution



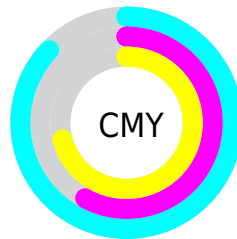
- Red (13%)
- Green (42%)
- Blue (29%)



- Red (13%)
- Yellow (32%)
- Blue (42%)



- Cyan (69%)
- Magenta (0%)
- Yellow (31%)
- Black (58%)





- Cyan (87%)
- Magenta (58%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 33.417, 158.925 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 40, 33.417, 158.925 by changing the saturation by 10% instead.


 40, 33.417,
158.925


 40, 33.417,
158.925


 100, 33.417,
158.925


 30, 33.417,
158.925

 60, 33.417,
158.925


 20, 33.417,
158.925

 70, 33.417,
158.925


 10, 33.417,
158.925

 80, 33.417,
158.925

 0, 33.417, 158.925

 90, 33.417,
158.925

 40, 33.417,

 40, 33.417,

158.925

■ 40, 37.011,
157.224

■ 39, 40.139,
155.334

■ 39, 42.993,
153.442

■ 39, 43.153,
153.344

158.925

■ 40, 29.385,
160.443

■ 41, 24.968,
161.796

■ 42, 20.237,
163.005

■ 42, 15.272,
164.092

■ 43, 10.150,
165.078

■ 44, 4.940, 165.994

■ 45, 0.298, 345.850

■ 46, 5.514, 347.456

■ 47, 10.670,

Harmonies

Complementary

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



40, 33.417, 158.925



25, 36.204, 355.554

Rectangle

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



40, 33.417, 158.925



40, 33.417, 208.925



40, 33.417, 338.925



40, 33.417, 28.925

Sweetspot

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



40, 33.417, 158.925



55, 13.509, 164.875



41, 45.359, 128.033



28, 9.065, 164.688



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 33.417, 158.925



51, 46.693, 156.152



40, 21.748, 202.932



22, 2.951, 166.037



43, 46.408, 153.076



85, 82.130, 151.629

Inverse Universe

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



25, 36.204, 355.554



31, 49.689, 359.690



25, 36.554, 31.539



21, 2.994, 347.393



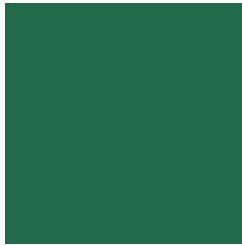
24, 47.584, 5.176



52, 81.890, 8.221

Previews

White Background



This preview shows how the CIELCh color 40, 33.417, 158.925 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 × Fail

Black Background



This preview shows how the CIE LCh color 40, 33.417, 158.925 looks on a black 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

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

CIELCh 40, 33.417, 158.925

Background



This preview shows how black text looks on a background with the CIELCh color 40, 33.417, 158.925.



This preview shows how white text looks on a background with the CIELCh color 40, 33.417, 158.925.

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
40, 33.417, 158.925

Protanopia
40, 16.041, 96.050

Deuteranopia
40, 11.815, 61.793



Tritanopia
40, 18.540, 212.792

Trichromacy



Original Color
40, 33.417, 158.925

Protanomaly
39, 20.235, 137.197

Deuteranomaly
39, 13.839, 136.389

Tritanomaly
40, 21.818, 185.417

Monochromacy



Original Color
40, 33.417, 158.925

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 13.521, 164.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 33.417, 158.925 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(33, 107, 74)` looks like.

```
.text, #text, p{  
    color:rgb(33, 107, 74)  
}
```

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(33, 107, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 107, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 33.417, 158.925 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(33, 107, 74) }
```

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

```
.border{ border-color:rgb(33, 107, 74) }
```

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

Here you see how a box with a 4 pixel rgb(33, 107, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 107, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 107, 74);  
box-shadow:4px 4px 4px 4px rgb(33, 107,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 33.417, 158.925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 107, 74) }
```

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

```
.background{ background-color: rgb(33, 107,  
74) }
```

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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