

Converting Colors

CIELCh(32, 54.912, 145.843)

Have a look what the booklet for
CIELCh(32, 54.912, 145.843)
contains.

CIELCh(33, 50.057, 140.738)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(33, 50.057, 140.738)

Conversions

Conversions Part 1

Format	Color
Hex	025B16
RGB	2, 91, 22
RGB Percent	1%, 36%, 9%
CMY	0.9933, 0.6434, 0.9141
CMYK	0.98, 0.00, 0.76, 0.64
HSL	134°, 96%, 18%
HSV	134°, 98%, 36%
XYZ	3.8996, 7.5373, 2.0038
YIQ	56.5230, -30.8950, -40.3270

Conversions

Conversions Part 2

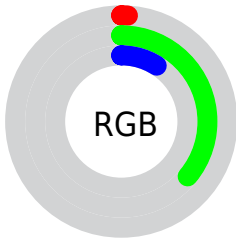
Format	Color
RYB	2, 75, 91
Decimal	154390
CIELab	33.00, -38.76, 31.68
CIELCh	33, 50.057, 140.738
Yxy	7.5373, 0.2901, 0.5608
Android (android.graphics.Color)	4278344470 (0xFF025B16)
YUV	56.5230, -17.0198, -47.8167
Hunter-Lab	27.4541, -22.6906, 14.8905

Details

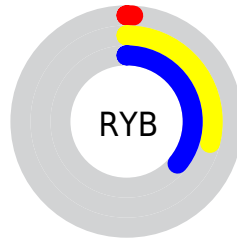
The CIELCh color **33, 50.057, 140.738** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **19, 45.829, 338.676**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 50.114, 140.627**, and **14, 32.564, 140.877** is the 20% darker color. If you saturate the color by 10%, you get **33, 50.659, 140.528**, and if you desaturate by 10%, it is **33, 46.635, 142.140**.

Distribution



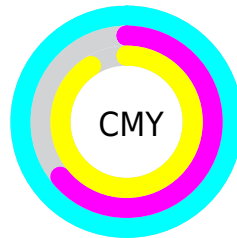
- Red (1%)
- Green (36%)
- Blue (9%)



- Red (1%)
- Yellow (29%)
- Blue (36%)



- Cyan (98%)
- Magenta (0%)
- Yellow (76%)
- Black (64%)





- Cyan (99%)
- Magenta (64%)
- Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 50.057, 140.738 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, 50.057, 140.738 by changing the saturation by 10% instead.


 33, 50.057,
140.738


 33, 50.057,
140.738

 100, 50.057,
140.738


 23, 50.057,
140.738

 53, 50.057,
140.738


 13, 50.057,
140.738


 63, 50.057,
140.738

 3, 50.057, 140.738

 73, 50.057,
140.738

 0, 50.057, 140.738

 83, 50.057,
140.738

 93, 50.057,
140.738

■ 33, 50.057,
140.738

■ 33, 50.057,
140.738

■ 33, 50.659,
140.528

■ 33, 46.635,
142.140

■ 33, 42.717,
143.694

■ 34, 38.221,
145.140

■ 34, 33.245,
146.449

■ 35, 27.893,
147.612

■ 35, 22.273,
148.636

■ 36, 16.484,
149.533

■ 37, 10.615,

150.318

■ 38, 4.739, 151.020

Harmonies

Complementary

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



33, 50.057, 140.738



19, 45.829, 338.676

Rectangle

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



33, 50.057, 140.738



33, 50.057, 190.738



33, 50.057, 320.738



33, 50.057, 10.738

Sweetspot

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



33, 50.057, 140.738



46, 20.956, 149.383



36, 46.299, 114.806



23, 14.225, 149.147



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, 50.057, 140.738



43, 61.484, 139.914



34, 31.421, 165.120



18, 3.292, 150.972



40, 58.401, 140.061



82, 105.846, 138.876

Inverse Universe

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



19, 45.829, 338.676



25, 55.036, 339.255



17, 40.114, 17.523



17, 3.304, 331.957



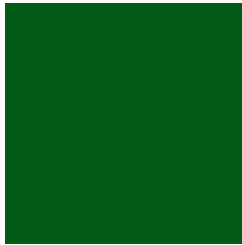
23, 52.518, 339.153



53, 91.632, 340.048

Previews

White Background



This preview shows how the CIELCh color 33, 50.057, 140.738 looks on a white background.

Color Contrast Check

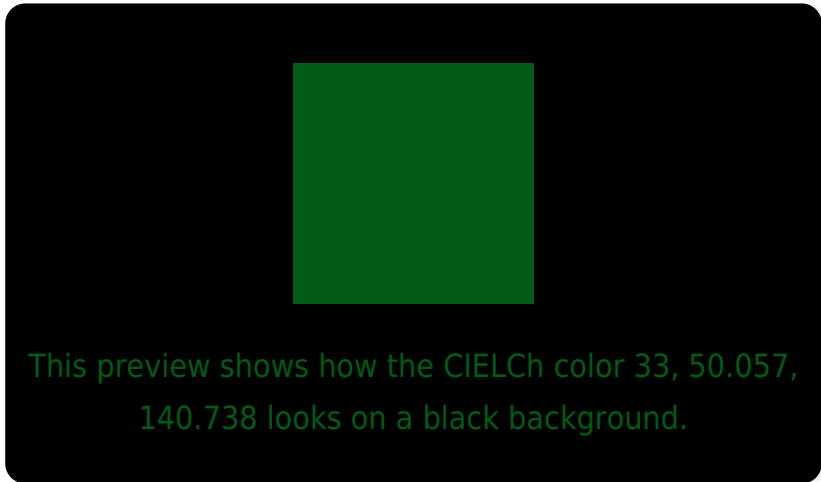
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

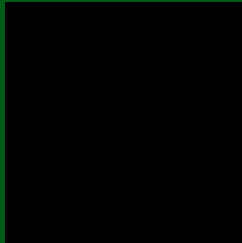
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 50.057, 140.738

Background



This preview shows how black text looks on a background with the CIELCh color 33, 50.057, 140.738.



This preview shows how white text looks on a background with the CIELCh color 33, 50.057, 140.738.

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, 50.039, 140.725

Protanopia
33, 34.538, 96.279

Deuteranopia
33, 30.159, 81.815



Tritanopia
33, 16.353, 213.174

Trichromacy



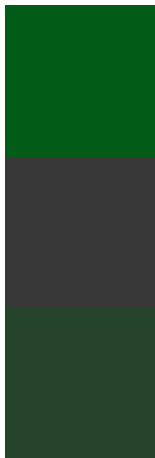
Original Color
33, 50.039, 140.725

Protanomaly
32, 38.513, 123.693

Deuteranomaly
31, 33.174, 119.978

Tritanomaly
33, 25.780, 166.658

Monochromacy



Original Color
33, 50.039, 140.725

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 21.828, 148.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 50.057, 140.738 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(2, 91, 22)` looks like.

```
.text, #text, p{  
    color:rgb(2, 91, 22)  
}
```

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(2, 91, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 91, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 50.057, 140.738 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(2, 91, 22) }
```

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

```
.border{ border-color:rgb(2, 91, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 91, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 91, 22); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 91, 22); box-shadow:4px  
4px 4px 4px rgb(2, 91, 22) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 50.057, 140.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 91, 22) }
```

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

```
.background{ background-color: rgb(2, 91,  
22) }
```

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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