

Converting Colors

CIELCh(33, 48.434, 142.770)

Have a look what the booklet for
CIELCh(33, 48.434, 142.770)
contains.

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Color

CIELCh(33, 48.350, 142.586)

Conversions

Conversions Part 1

Format	Color
Hex	005B1B
RGB	0, 91, 27
RGB Percent	0%, 36%, 11%
CMY	1.0000, 0.6436, 0.8946
CMYK	1.00, 0.00, 0.70, 0.64
HSL	138°, 100%, 18%
HSV	138°, 100%, 36%
XYZ	3.9237, 7.5373, 2.2776
YIQ	56.4950, -33.6920, -39.1960

Conversions

Conversions Part 2

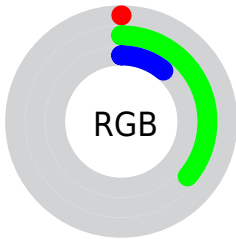
Format	Color
RYB	0, 70, 91
Decimal	23323
CIELab	33.00, -38.40, 29.38
CIELCh	33, 48.350, 142.586
Yxy	7.5373, 0.2856, 0.5486
Android (android.graphics.Color)	4278213403 (0xFF005B1B)
YUV	56.4950, -14.5410, -49.5461
Hunter-Lab	27.4541, -22.5340, 14.2991

Details

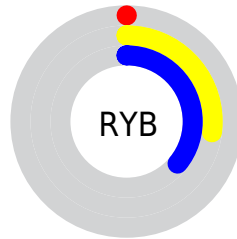
The CIELCh color **33, 48.350, 142.586** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **18, 44.149, 343.131**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 48.129, 142.670**, and **14, 32.564, 140.877** is the 20% darker color. If you saturate the color by 10%, you get **33, 48.330, 142.562**, and if you desaturate by 10%, it is **33, 44.965, 144.048**.

Distribution



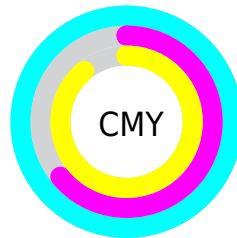
- Red (0%)
- Green (36%)
- Blue (11%)



- Red (0%)
- Yellow (27%)
- Blue (36%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (64%)



- Cyan (100%)
- Magenta (64%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 48.350, 142.586 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, 48.350, 142.586 by changing the saturation by 10% instead.


 33, 48.350,
142.586

 33, 48.350,
142.586

 100, 48.350,
142.586

 23, 48.350,
142.586

 53, 48.350,
142.586

 13, 48.350,
142.586

 63, 48.350,
142.586

 3, 48.350, 142.586

 73, 48.350,
142.586

 0, 48.350, 142.586

 83, 48.350,
142.586

 93, 48.350,
142.586

■ 33, 48.350,
142.586

■ 33, 48.350,
142.586

■ 33, 48.330,
142.562

■ 33, 44.965,
144.048

■ 33, 41.273,
145.728

■ 34, 37.068,
147.272

■ 34, 32.419,
148.659

■ 35, 27.409,
149.888

■ 35, 22.130,
150.970

■ 36, 16.673,
151.921

■ 37, 11.120,

152.758

■ 38, 5.542, 153.506

Harmonies

Complementary

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



33, 48.350, 142.586



18, 44.149, 343.131

Rectangle

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



33, 48.350, 142.586



33, 48.350, 192.586



33, 48.350, 322.586



33, 48.350, 12.586

Sweetspot

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



33, 48.330, 142.562



46, 20.572, 151.837



35, 47.609, 118.096



23, 13.881, 151.599



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, 48.330, 142.562



43, 58.754, 141.878



34, 29.339, 170.649



18, 3.129, 153.589



40, 55.790, 142.043



82, 101.444, 140.689

Inverse Universe

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



18, 44.149, 343.131



25, 52.543, 343.741



17, 41.896, 23.694



17, 3.144, 334.632



23, 50.149, 343.590



53, 87.349, 344.921

Previews

White Background



This preview shows how the CIELCh color 33, 48.350, 142.586 looks on a white background.

Color Contrast Check

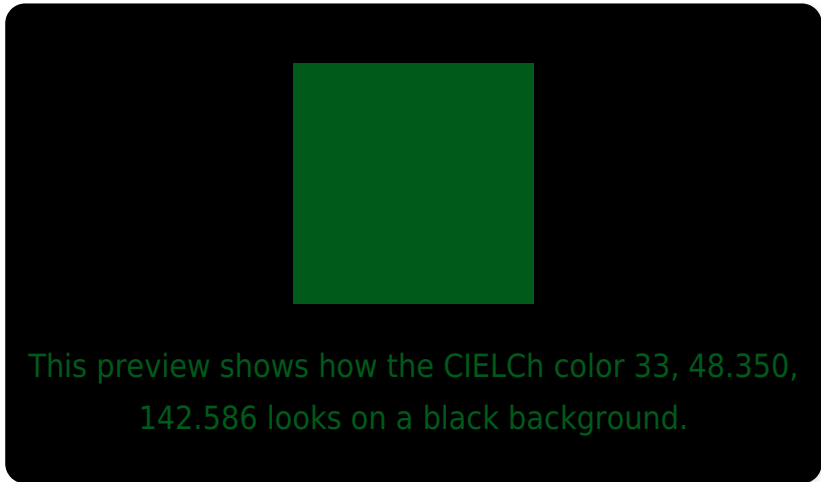
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.350, 142.586

Background



This preview shows how black text looks on a background with the CIELCh color 33, 48.350, 142.586.



This preview shows how white text looks on a background with the CIELCh color 33, 48.350, 142.586.

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

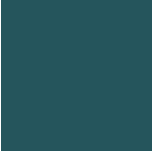
33, 48.350, 142.586

Protanopia

33, 32.739, 96.205

Deuteranopia

33, 28.115, 80.596



Tritanopia
33, 16.582, 212.923

Trichromacy



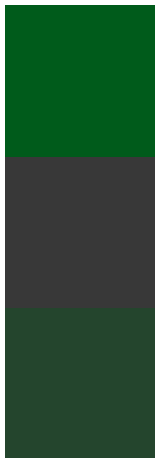
Original Color
33, 48.350, 142.586

Protanomaly
32, 37.000, 125.433

Deuteranomaly
31, 30.714, 121.538

Tritanomaly
33, 25.563, 167.993

Monochromacy



Original Color
33, 48.350, 142.586

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 21.330, 149.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 48.350, 142.586 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(0, 91, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 27)  
}
```

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(0, 91, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 91, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 48.350, 142.586 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(0, 91, 27) }
```

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

```
.border{ border-color:rgb(0, 91, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 91, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 91, 27); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 91, 27); box-shadow:4px  
4px 4px 4px rgb(0, 91, 27) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 48.350, 142.586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 91, 27) }
```

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

```
.background{ background-color: rgb(0, 91,  
27) }
```

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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