

Converting Colors

CIELCh(33, 47.874, 143.226)

Have a look what the booklet for
CIELCh(33, 47.874, 143.226)
contains.

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Color

CIELCh(33, 47.960, 142.945)

Conversions

Conversions Part 1

Format	Color
Hex	005B1C
RGB	0, 91, 28
RGB Percent	0%, 36%, 11%
CMY	1.0000, 0.6437, 0.8908
CMYK	1.00, 0.00, 0.69, 0.64
HSL	138°, 100%, 18%
HSV	138°, 100%, 36%
XYZ	3.9324, 7.5373, 2.3372
YIQ	56.6090, -34.0130, -38.8850

Conversions

Conversions Part 2

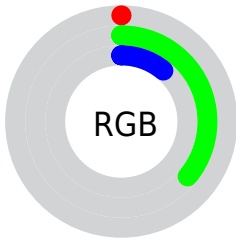
Format	Color
RYB	0, 70, 91
Decimal	23324
CIELab	33.00, -38.27, 28.90
CIELCh	33, 47.960, 142.945
Yxy	7.5373, 0.2848, 0.5459
Android (android.graphics.Color)	4278213404 (0xFF005B1C)
YUV	56.6090, -14.1042, -49.6461
Hunter-Lab	27.4541, -22.4773, 14.1704

Details

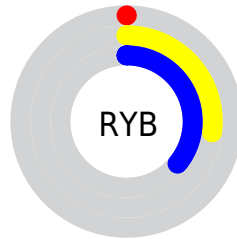
The CIELCh color **33, 47.960, 142.945** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **18, 43.846, 343.850**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 47.693, 143.047**, and **14, 32.564, 140.877** is the 20% darker color. If you saturate the color by 10%, you get **33, 47.936, 142.916**, and if you desaturate by 10%, it is **33, 44.581, 144.423**.

Distribution



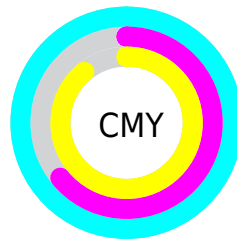
- Red (0%)
- Green (36%)
- Blue (11%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (64%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 47.960, 142.945 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, 47.960, 142.945 by changing the saturation by 10% instead.


 33, 47.960,
142.945

 33, 47.960,
142.945

 100, 47.960,
142.945


 23, 47.960,
142.945

 53, 47.960,
142.945


 13, 47.960,
142.945


 63, 47.960,
142.945

 3, 47.960, 142.945

 73, 47.960,
142.945

 0, 47.960, 142.945

 83, 47.960,
142.945

 93, 47.960,
142.945

■ 33, 47.960,
142.945

■ 33, 47.960,
142.945

■ 33, 47.936,
142.916

■ 33, 44.581,
144.423

■ 33, 40.913,
146.118

■ 34, 36.743,
147.671

■ 34, 32.135,
149.065

■ 35, 27.171,
150.300

■ 35, 21.941,
151.387

■ 36, 16.532,
152.342

■ 37, 11.028,

153.185

■ 38, 5.497, 153.939

Harmonies

Complementary

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



33, 47.960, 142.945



18, 43.846, 343.850

Rectangle

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



33, 47.960, 142.945



33, 47.960, 192.945



33, 47.960, 322.945



33, 47.960, 12.945

Sweetspot

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



33, 47.936, 142.916



46, 20.402, 152.258



35, 47.814, 118.877



23, 13.767, 152.018



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, 47.936, 142.916



43, 58.295, 142.223



34, 28.760, 172.245



18, 3.104, 154.023



40, 55.352, 142.389



82, 100.684, 141.014

Inverse Universe

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



18, 43.846, 343.850



25, 52.187, 344.495



17, 42.207, 24.882



17, 3.120, 335.075



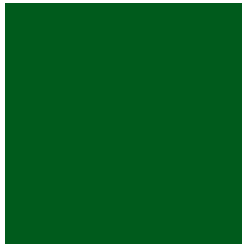
23, 49.811, 344.336



53, 86.747, 345.742

Previews

White Background



This preview shows how the CIELCh color 33, 47.960, 142.945 looks on a white background.

Color Contrast Check

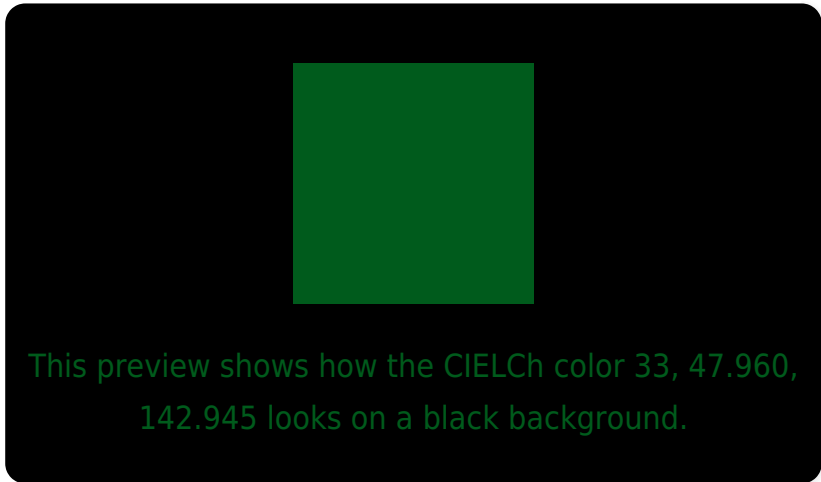
Large Text (above 18pt) WCAG AA ✓ Pass

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

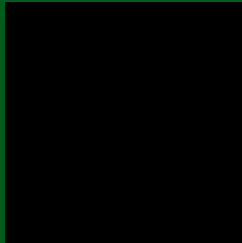
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 47.960, 142.945

Background



This preview shows how black text looks on a background with the CIELCh color 33, 47.960, 142.945.



This preview shows how white text looks on a background with the CIELCh color 33, 47.960, 142.945.

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

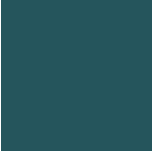
33, 47.960, 142.945

Protanopia

33, 32.266, 96.179

Deuteranopia

33, 27.351, 81.197



Tritanopia
33, 16.582, 212.923

Trichromacy



Original Color
33, 47.960, 142.945

Protanomaly
32, 36.560, 125.744

Deuteranomaly
31, 30.355, 122.707

Tritanomaly
33, 25.175, 169.173

Monochromacy



Original Color
33, 47.960, 142.945

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 20.835, 150.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 47.960, 142.945 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 91, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 47.960, 142.945 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, 28) }
```

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

```
.border{ border-color:rgb(0, 91, 28) }
```

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, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 91, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 91, 28); box-shadow:4px  
4px 4px 4px rgb(0, 91, 28) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 47.960, 142.945 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, 28) }
```

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

```
.background{ background-color: rgb(0, 91,  
28) }
```

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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