

Converting Colors

CIELCh(33, 47.163, 143.693)

Have a look what the booklet for
CIELCh(33, 47.163, 143.693)
contains.

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Color

CIELCh(33, 47.163, 143.693)

Conversions

Conversions Part 1

Format	Color
Hex	005B1E
RGB	0, 91, 30
RGB Percent	0%, 36%, 12%
CMY	1.0000, 0.6439, 0.8831
CMYK	1.00, 0.00, 0.67, 0.64
HSL	140°, 100%, 18%
HSV	140°, 100%, 36%
XYZ	3.9507, 7.5373, 2.4622
YIQ	56.8370, -34.6550, -38.2630

Conversions

Conversions Part 2

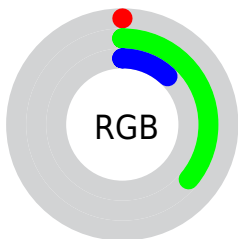
Format	Color
RYB	0, 68, 91
Decimal	23326
CIELab	33.00, -38.01, 27.93
CIELCh	33, 47.163, 143.693
Yxy	7.5373, 0.2832, 0.5403
Android (android.graphics.Color)	4278213406 (0xFF005B1E)
YUV	56.8370, -13.2306, -49.8460
Hunter-Lab	27.4541, -22.3581, 13.9004

Details

The CIELCh color **33, 47.163, 143.693** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **18, 43.263, 345.329**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 46.818, 143.822**, and **14, 32.564, 140.877** is the 20% darker color. If you saturate the color by 10%, you get **33, 47.131, 143.653**, and if you desaturate by 10%, it is **33, 43.802, 145.199**.

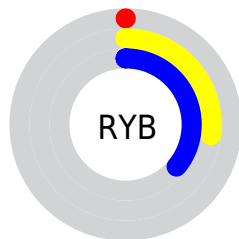
Distribution



Red (0%)

Green (36%)

Blue (12%)



Red (0%)

Yellow (27%)

Blue (36%)

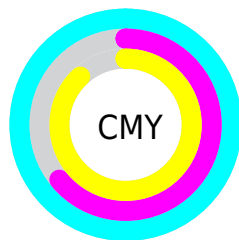


Cyan (100%)

Magenta (0%)

Yellow (67%)

Black (64%)



Cyan (100%)


Magenta (64%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 47.163, 143.693 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, 47.163, 143.693 by changing the saturation by 10% instead.

 33, 47.163,
143.693

 33, 47.163,
143.693

 100, 47.163,
143.693


 23, 47.163,
143.693

 53, 47.163,
143.693


 13, 47.163,
143.693


 63, 47.163,
143.693

 3, 47.163, 143.693

 73, 47.163,
143.693

 0, 47.163, 143.693

 83, 47.163,
143.693

 93, 47.163,
143.693

■ 33, 47.163,
143.693

■ 33, 47.163,
143.693

■ 33, 47.131,
143.653

■ 33, 43.802,
145.199

■ 33, 40.188,
146.920

■ 34, 36.091,
148.491

■ 34, 31.568,
149.898

■ 35, 26.697,
151.144

■ 35, 21.563,
152.241

■ 36, 16.252,
153.207

■ 37, 10.844,

154.060

■ 38, 5.406, 154.827

Harmonies

Complementary

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



33, 47.163, 143.693



18, 43.263, 345.329

Rectangle

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



33, 47.163, 143.693



33, 47.163, 193.693



33, 47.163, 323.693



33, 47.163, 13.693

Sweetspot

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



33, 47.131, 143.653



46, 20.065, 153.122



35, 48.016, 119.641



23, 13.538, 152.879



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, 47.131, 143.653



43, 57.352, 142.943



34, 28.191, 173.902



18, 3.055, 154.912



40, 54.454, 143.113



82, 99.112, 141.699

Inverse Universe

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



18, 43.263, 345.329



25, 51.508, 346.047



17, 42.504, 25.972



17, 3.072, 335.985



23, 49.164, 345.870



52, 85.606, 347.432

Previews

White Background



This preview shows how the CIELCh color 33, 47.163, 143.693 looks on a white background.

Color Contrast Check

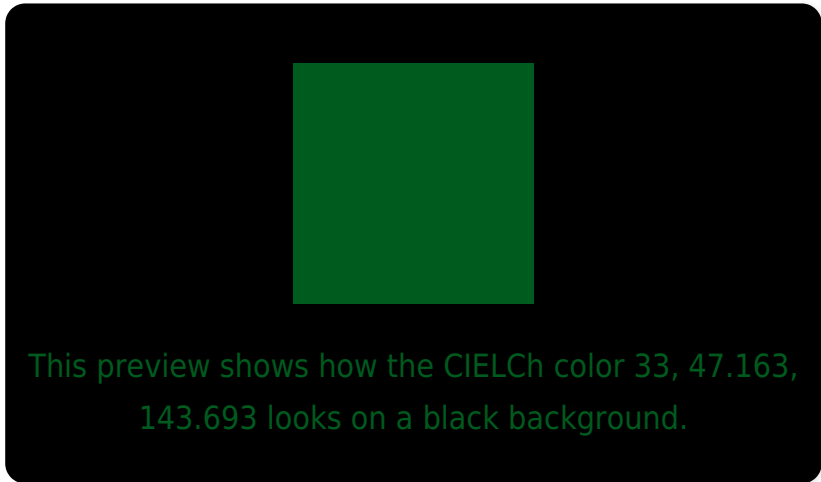
Large Text (above 18pt) WCAG AA ✓ Pass

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

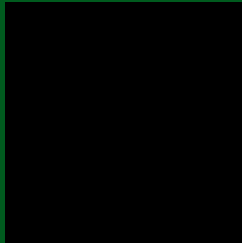
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 47.163, 143.693

Background



This preview shows how black text looks on a background with the CIELCh color 33, 47.163, 143.693.



This preview shows how white text looks on a background with the CIELCh color 33, 47.163, 143.693.

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

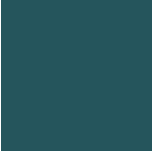
33, 47.163, 143.693

Protanopia

33, 31.295, 96.116

Deuteranopia

33, 26.823, 80.841



Tritanopia
33, 16.582, 212.923

Trichromacy



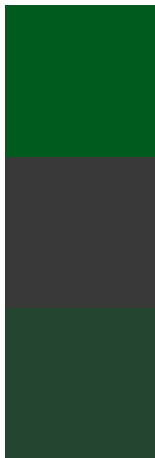
Original Color
33, 47.163, 143.693

Protanomaly
32, 35.658, 126.398

Deuteranomaly
31, 29.843, 123.075

Tritanomaly
33, 25.175, 169.173

Monochromacy



Original Color
33, 47.163, 143.693

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 20.344, 151.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 47.163, 143.693 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 91, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 47.163, 143.693 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, 30) }
```

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

```
.border{ border-color:rgb(0, 91, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 91, 30); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 91, 30); box-shadow:4px  
4px 4px 4px rgb(0, 91, 30) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 47.163, 143.693 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, 30) }
```

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

```
.background{ background-color: rgb(0, 91,  
30) }
```

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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