

Converting Colors

CIELCh(33, 40.966, 133.548)

Have a look what the booklet for
CIELCh(33, 40.966, 133.548)
contains.

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Color

CIELCh(33, 40.982, 133.521)

Conversions

Conversions Part 1

Format	Color
Hex	2B581B
RGB	43, 88, 27
RGB Percent	17%, 35%, 11%
CMY	0.8321, 0.6556, 0.8948
CMYK	0.51, 0.00, 0.69, 0.66
HSL	104°, 53%, 22%
HSV	104°, 69%, 34%
XYZ	4.6589, 7.5373, 2.2356
YIQ	67.5910, -7.2390, -28.5110

Conversions

Conversions Part 2

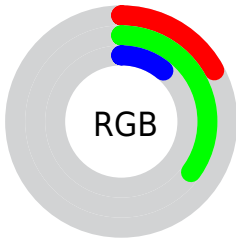
Format	Color
RYB	27, 88, 72
Decimal	2840603
CIELab	33.00, -28.22, 29.72
CIElCh	33, 40.982, 133.521
Yxy	7.5373, 0.3228, 0.5223
Android (android.graphics.Color)	4281030683 (0xFF2B581B)
YUV	67.5910, -20.0114, -21.5663
Hunter-Lab	27.4541, -17.7538, 14.3898

Details

The CIELCh color **33, 40.982, 133.521** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **19, 42.354, 319.350**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 40.572, 133.562**, and **14, 31.326, 141.634** is the 20% darker color. If you saturate the color by 10%, you get **33, 45.559, 133.205**, and if you desaturate by 10%, it is **33, 35.772, 133.989**.

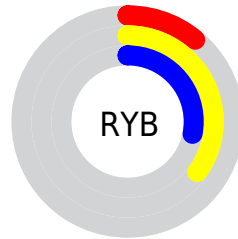
Distribution



Red (17%)

Green (35%)

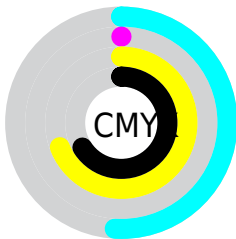
Blue (11%)



Red (11%)

Yellow (35%)

Blue (28%)

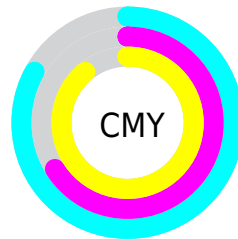


Cyan (51%)

Magenta (0%)

Yellow (69%)

Black (66%)



Cyan (83%)


Magenta (66%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 40.982, 133.521 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, 40.982, 133.521 by changing the saturation by 10% instead.


 33, 40.982,
133.521


 33, 40.982,
133.521

 100, 40.982,
133.521


 23, 40.982,
133.521

 53, 40.982,
133.521


 13, 40.982,
133.521


 63, 40.982,
133.521

 3, 40.982, 133.521

 73, 40.982,
133.521

 0, 40.982, 133.521

 83, 40.982,
133.521

 93, 40.982,
133.521

■ 33, 40.982,
133.521

■ 33, 40.982,
133.521

■ 33, 45.559,
133.205

■ 33, 35.772,
133.989

■ 32, 49.280,
133.136

■ 34, 30.126,
134.525

■ 32, 52.668,
132.889

■ 34, 24.201,
135.075

■ 32, 52.859,
132.861

■ 35, 18.116,
135.607

■ 36, 11.957,
136.103

■ 37, 5.789, 136.561

■ 37, 0.339, 316.631

■ 38, 6.393, 317.280

■ 39, 12.349,
317.599

Harmonies

Complementary

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



33, 40.982, 133.521



19, 42.354, 319.350

Rectangle

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



33, 40.982, 133.521



33, 40.982, 183.521



33, 40.982, 313.521



33, 40.982, 3.521

Sweetspot

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



33, 40.982, 133.522



46, 16.100, 135.995



31, 28.730, 87.827



23, 10.986, 135.912



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, 40.982, 133.522



42, 57.938, 133.127



33, 37.583, 145.225



17, 3.390, 136.591



39, 60.966, 133.187



82, 109.442, 133.970

Inverse Universe

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



19, 42.354, 319.350



23, 59.787, 319.382



21, 36.987, 336.385



16, 3.412, 317.243



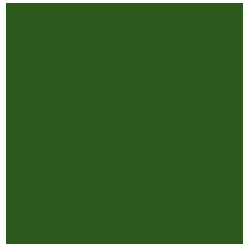
19, 62.682, 319.014



45, 111.745, 318.458

Previews

White Background



This preview shows how the CIELCh color 33, 40.982, 133.521 looks on a white background.

Color Contrast Check

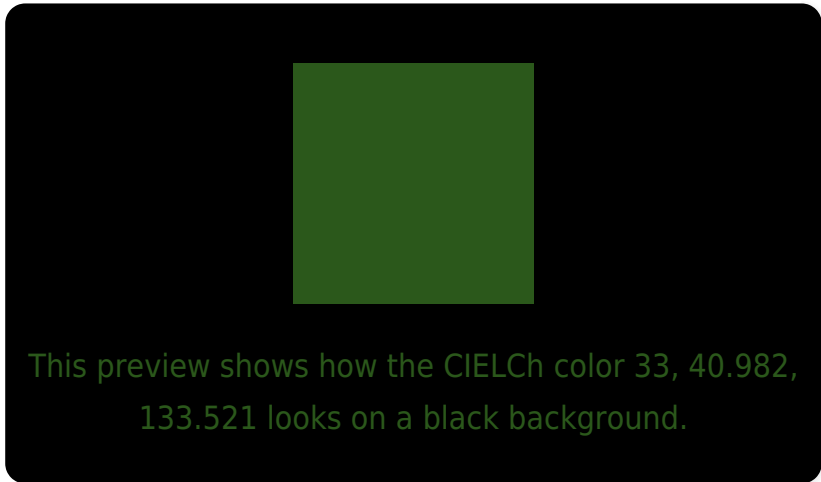
Large Text (above 18pt) WCAG AA ✓ Pass

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

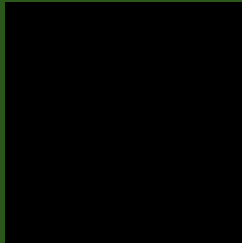
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 40.982, 133.521

Background



This preview shows how black text looks on a background with the CIELCh color 33, 40.982, 133.521.



This preview shows how white text looks on a background with the CIELCh color 33, 40.982, 133.521.

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, 40.982, 133.521

Protanopia

33, 32.266, 96.179

Deuteranopia

33, 28.395, 81.851



Tritanopia
33, 11.243, 221.376

Trichromacy



Original Color
33, 40.982, 133.521

Protanomaly
33, 33.769, 113.721

Deuteranomaly
32, 29.354, 106.897

Tritanomaly
33, 18.261, 158.574

Monochromacy



Original Color
33, 40.982, 133.521

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 16.554, 135.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 40.982, 133.521 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(43, 88, 27)` looks like.

```
.text, #text, p{  
    color:rgb(43, 88, 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(43, 88, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 88, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 40.982, 133.521 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(43, 88, 27) }
```

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

```
.border{ border-color:rgb(43, 88, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 88, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 88, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 88, 27);  
box-shadow:4px 4px 4px 4px rgb(43, 88, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 40.982, 133.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 88, 27) }
```

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

```
.background{ background-color: rgb(43, 88,  
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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