

Converting Colors

CIELCh(33, 19.547, 189.129)

Have a look what the booklet for
CIELCh(33, 19.547, 189.129)
contains.

CIELCh(33, 19.440, 189.237)	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, 19.440, 189.237)

Conversions

Conversions Part 1

Format	Color
Hex	1E5652
RGB	30, 86, 82
RGB Percent	12%, 34%, 32%
CMY	0.8824, 0.6628, 0.6785
CMYK	0.65, 0.00, 0.05, 0.66
HSL	176°, 48%, 23%
HSV	176°, 65%, 34%
XYZ	5.3835, 7.5373, 9.1502
YIQ	68.8000, -32.0920, -13.1160

Conversions

Conversions Part 2

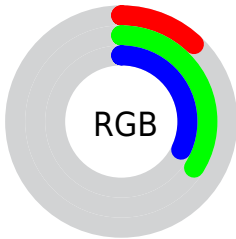
Format	Color
R_{YB}	30, 59, 86
Decimal	1988178
CIE _{Lab}	33.00, -19.19, -3.12
CIE _{LCh}	33, 19.440, 189.237
Yxy	7.5373, 0.2439, 0.3415
Android (android.graphics.Color)	4280178258 (0xFF1E5652)
YUV	68.8000, 6.5076, -34.0276
Hunter-Lab	27.4541, -13.0427, -0.5430

Details

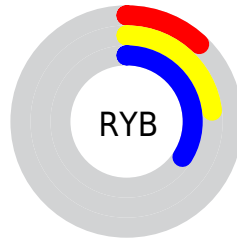
The CIELCh color **33, 19.440, 189.237** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **20, 28.486, 22.369**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 19.369, 188.828**, and **14, 14.602, 187.640** is the 20% darker color. If you saturate the color by 10%, you get **33, 21.189, 188.551**, and if you desaturate by 10%, it is **33, 17.289, 189.902**.

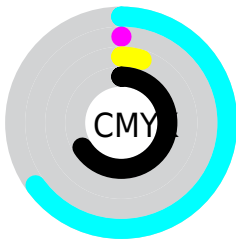
Distribution



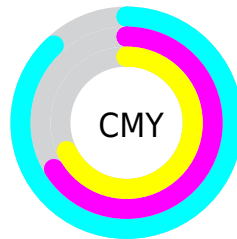
- Red (12%)
- Green (34%)
- Blue (32%)



- Red (12%)
- Yellow (23%)
- Blue (34%)



- Cyan (65%)
- Magenta (0%)
- Yellow (5%)
- Black (66%)





- Cyan (88%)
- Magenta (66%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 19.440, 189.237 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, 19.440, 189.237 by changing the saturation by 10% instead.


 33, 19.440,
189.237


 33, 19.440,
189.237

 100, 19.440,
189.237


 23, 19.440,
189.237

 53, 19.440,
189.237


 13, 19.440,
189.237


 63, 19.440,
189.237

 3, 19.440, 189.237

 73, 19.440,
189.237

 0, 19.440, 189.237

 83, 19.440,
189.237

 93, 19.440,
189.237

■ 33, 19.440,
189.237

■ 33, 19.440,
189.237

■ 33, 21.189,
188.551

■ 33, 17.289,
189.902

■ 33, 22.524,
187.836

■ 34, 14.766,
190.559

■ 32, 23.551,
187.105

■ 34, 11.913,
191.215

■ 32, 24.051,
186.767

■ 35, 8.779, 191.874

■ 35, 5.415, 192.547

■ 36, 1.871, 193.304

■ 37, 1.806, 13.640

■ 38, 5.576, 14.407

■ 39, 9.404, 15.084

Harmonies

Complementary

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



33, 19.440, 189.237



20, 28.486, 22.369

Rectangle

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



33, 19.440, 189.237



33, 19.440, 239.237



33, 19.440, 9.237



33, 19.440, 59.237

Sweetspot

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



33, 19.440, 189.235



46, 8.802, 192.170



32, 40.071, 137.758



22, 5.916, 192.060



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33, 19.440, 189.235



43, 26.475, 188.161



25, 18.029, 257.662



17, 2.042, 193.000



40, 28.088, 186.510



84, 50.167, 185.889

Inverse Universe

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



20, 28.486, 22.369



24, 42.850, 27.063



26, 23.789, 59.813



16, 2.134, 14.025



21, 51.075, 33.709



49, 95.296, 37.754

Previews

White Background



This preview shows how the CIELCh color 33, 19.440, 189.237 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



This preview shows how the CIE LCh color 33, 19.440, 189.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

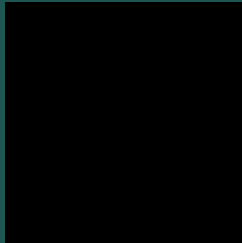
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 19.440, 189.237

Background



This preview shows how black text looks on a background with the CIELCh color 33, 19.440, 189.237.



This preview shows how white text looks on a background with the CIELCh color 33, 19.440, 189.237.

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, 19.440, 189.237

Protanopia

33, 0.871, 19.218

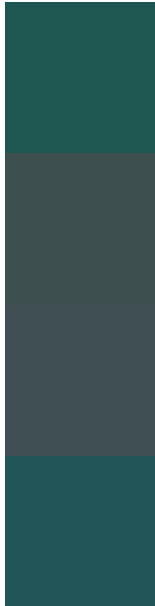
Deuteranopia

33, 6.444, 318.550



Tritanopia
33, 17.006, 210.230

Trichromacy



Original Color
33, 19.440, 189.237

Protanomaly
32, 7.807, 193.629

Deuteranomaly
32, 6.850, 220.356

Tritanomaly
33, 17.538, 203.348

Monochromacy



Original Color
33, 19.440, 189.237

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 8.242, 193.702

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 19.440, 189.237 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(30, 86, 82)` looks like.

```
.text, #text, p{  
    color:rgb(30, 86, 82)  
}
```

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(30, 86, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 86, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 19.440, 189.237 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(30, 86, 82) }
```

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

```
.border{ border-color:rgb(30, 86, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 86, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 86, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 86, 82);  
box-shadow:4px 4px 4px 4px rgb(30, 86, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 19.440, 189.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 86, 82) }
```

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

```
.background{ background-color: rgb(30, 86,  
82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor