

Converting Colors

CIELCh(33, 18.240, 189.151)

Have a look what the booklet for
CIELCh(33, 18.240, 189.151)
contains.

CIELCh(33, 18.310, 188.927)	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, 18.310, 188.927)

Conversions

Conversions Part 1

Format	Color
Hex	235652
RGB	35, 86, 82
RGB Percent	14%, 34%, 32%
CMY	0.8646, 0.6645, 0.6801
CMYK	0.60, 0.00, 0.05, 0.66
HSL	175°, 42%, 24%
HSV	175°, 60%, 34%
XYZ	5.4765, 7.5373, 9.0630
YIQ	70.2950, -29.1120, -12.0560

Conversions

Conversions Part 2

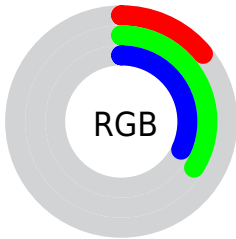
Format	Color
R_{YB}	35, 62, 86
Decimal	2315858
CIE _{Lab}	33.00, -18.09, -2.84
CIE _{LCh}	33, 18.310, 188.927
Yxy	7.5373, 0.2481, 0.3414
Android (android.graphics.Color)	4280505938 (0xFF235652)
YUV	70.2950, 5.7706, -30.9537
Hunter-Lab	27.4541, -12.4379, -0.3546




Details

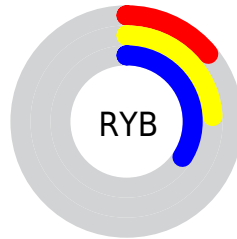
The CIELCh color **33, 18.310, 188.927** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **21, 25.738, 20.528**, and the grayscale version is **30, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 18.488, 188.506**, and **14, 14.602, 187.640** is the 20% darker color. If you saturate the color by 10%, you get **33, 20.295, 188.216**, and if you desaturate by 10%, it is **33, 15.941, 189.616**.

Distribution







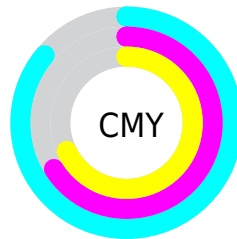
-  Red (14%)
-  Green (34%)
-  Blue (32%)






-  Red (14%)
-  Yellow (24%)
-  Blue (34%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (5%)
-  Black (66%)





-  Cyan (86%)
-  Magenta (66%)
-  Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 18.310, 188.927 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, 18.310, 188.927 by changing the saturation by 10% instead.


 33, 18.310,
188.927


 33, 18.310,
188.927

 100, 18.310,
188.927


 23, 18.310,
188.927

 53, 18.310,
188.927


 13, 18.310,
188.927


 63, 18.310,
188.927

 3, 18.310, 188.927

 73, 18.310,
188.927

 0, 18.310, 188.927

 83, 18.310,
188.927

 93, 18.310,
188.927

■ 33, 18.310,
188.927

■ 33, 18.310,
188.927

■ 33, 20.295,
188.216

■ 33, 15.941,
189.616

■ 32, 21.874,
187.478

■ 34, 13.226,
190.296

■ 32, 23.046,
186.699

■ 34, 10.210,
190.973

■ 32, 24.087,
185.941

■ 35, 6.946, 191.655

■ 36, 3.483, 192.365

■ 32, 24.124,
185.916

■ 36, 0.130, 10.703

■ 37, 3.851, 13.538

■ 38, 7.642, 14.240

■ 39, 11.472, 14.913

Harmonies

Complementary

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



33, 18.310, 188.927



21, 25.738, 20.528

Rectangle

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



33, 18.310, 188.927



33, 18.310, 238.927



33, 18.310, 8.927



33, 18.310, 58.927

Sweetspot

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



33, 18.310, 188.925



46, 7.977, 191.726



32, 36.978, 138.220



22, 5.459, 191.598



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, 18.310, 188.925



43, 25.519, 187.863



26, 16.636, 256.077



17, 2.045, 192.430



40, 28.277, 185.631



84, 50.532, 184.960

Inverse Universe

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



21, 25.738, 20.528



26, 39.403, 24.527



26, 21.393, 60.296



16, 2.136, 13.476



21, 50.928, 33.427



49, 94.972, 37.484

Previews

White Background



This preview shows how the CIELCh color 33, 18.310, 188.927 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, 18.310, 188.927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

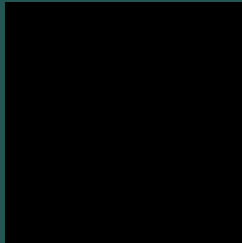
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 18.310, 188.927

Background



This preview shows how black text looks on a background with the CIELCh color 33, 18.310, 188.927.



This preview shows how white text looks on a background with the CIELCh color 33, 18.310, 188.927.

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, 18.310, 188.927

Protanopia

33, 0.871, 19.218

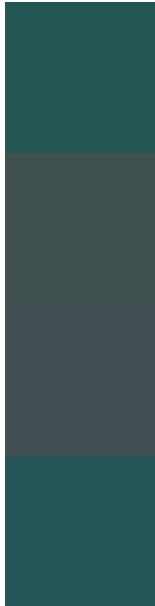
Deuteranopia

33, 6.444, 318.550



Tritanopia
33, 16.102, 213.477

Trichromacy



Original Color
33, 18.310, 188.927

Protanomaly
33, 7.042, 193.242

Deuteranomaly
33, 6.148, 223.073

Tritanomaly
33, 16.616, 203.811

Monochromacy



Original Color
33, 18.310, 188.927

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 7.989, 188.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 18.310, 188.927 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(35, 86, 82)` looks like.

```
.text, #text, p{  
    color:rgb(35, 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(35, 86, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 86, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 18.310, 188.927 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(35, 86, 82) }
```

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

```
.border{ border-color:rgb(35, 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(35, 86, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 86, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 86, 82);  
box-shadow:4px 4px 4px 4px rgb(35, 86, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 18.310, 188.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 86, 82) }
```

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

```
.background{ background-color: rgb(35, 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](#).

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