

Converting Colors

CIELCh(33, 18.701, 204.770)

Have a look what the booklet for
CIELCh(33, 18.701, 204.770)
contains.

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Color

CIELCh(33, 18.501, 204.917)

Conversions

Conversions Part 1

Format	Color
Hex	1C5559
RGB	28, 85, 89
RGB Percent	11%, 33%, 35%
CMY	0.8884, 0.6652, 0.6495
CMYK	0.68, 0.04, 0.00, 0.65
HSL	184°, 52%, 23%
HSV	184°, 68%, 35%
XYZ	5.5886, 7.5373, 10.6944
YIQ	68.4130, -35.2560, -10.8400

Conversions

Conversions Part 2

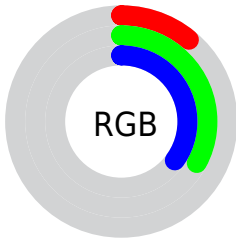
Format	Color
R_{YB}	28, 57, 89
Decimal	1856857
CIE _{Lab}	33.00, -16.78, -7.79
CIE _{LCh}	33, 18.501, 204.917
Yxy	7.5373, 0.2346, 0.3164
Android (android.graphics.Color)	4280046937 (0xFF1C5559)
YUV	68.4130, 10.1494, -35.4422
Hunter-Lab	27.4541, -11.7088, -3.8777




Details

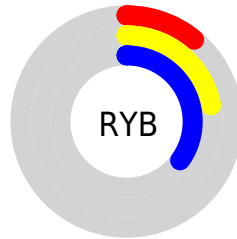
The CIELCh color **33, 18.501, 204.917** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **21, 30.513, 31.797**, and the grayscale version is **29, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 18.495, 204.901**, and **13, 13.159, 212.738** is the 20% darker color. If you saturate the color by 10%, you get **33, 19.830, 205.327**, and if you desaturate by 10%, it is **34, 16.749, 204.658**.

Distribution







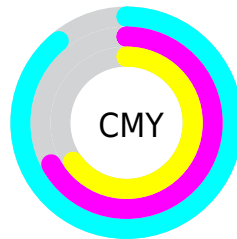
-  Red (11%)
-  Green (33%)
-  Blue (35%)






-  Red (11%)
-  Yellow (22%)
-  Blue (35%)



-  Cyan (68%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (65%)





-  Cyan (89%)
-  Magenta (67%)
-  Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 18.501, 204.917 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, 18.501, 204.917 by changing the saturation by 10% instead.


 33, 18.501,
204.917


 33, 18.501,
204.917

 100, 18.501,
204.917


 23, 18.501,
204.917

 53, 18.501,
204.917


 13, 18.501,
204.917


 63, 18.501,
204.917

 3, 18.501, 204.917

 73, 18.501,
204.917

 0, 18.501, 204.917

 83, 18.501,
204.917

 93, 18.501,
204.917

■ 33, 18.501,
204.917

■ 33, 18.501,
204.917

■ 33, 19.830,
205.327

■ 34, 16.749,
204.658

■ 32, 20.734,
205.910

■ 34, 14.599,
204.535

■ 32, 21.417,
206.570

■ 35, 12.086,
204.531

■ 32, 21.546,
206.685

■ 36, 9.255, 204.629

■ 36, 6.156, 204.819

■ 37, 2.838, 205.119

■ 38, 0.655, 24.831

■ 39, 4.281, 25.572

■ 40, 8.004, 25.978

Harmonies

Complementary

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



33, 18.501, 204.917



21, 30.513, 31.797

Rectangle

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



33, 18.501, 204.917



33, 18.501, 254.917



33, 18.501, 24.917



33, 18.501, 74.917

Sweetspot

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



33, 18.501, 204.916



47, 8.423, 204.763



33, 42.501, 140.093



23, 5.659, 204.727



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, 18.501, 204.916



42, 24.787, 205.690



23, 23.288, 274.149



18, 1.989, 205.092



39, 24.821, 206.975



81, 43.558, 207.729

Inverse Universe

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



23, 41.377, 329.664



28, 57.544, 330.308



29, 26.204, 72.199



17, 3.699, 326.689



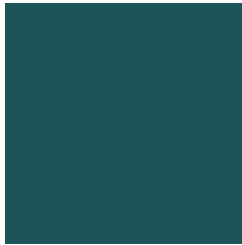
25, 59.087, 330.891



55, 103.816, 331.077

Previews

White Background



This preview shows how the CIELCh color 33, 18.501, 204.917 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, 18.501, 204.917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

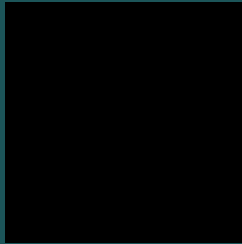
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 18.501, 204.917

Background



This preview shows how black text looks on a background with the CIELCh color 33, 18.501, 204.917.



This preview shows how white text looks on a background with the CIELCh color 33, 18.501, 204.917.

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

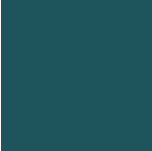
33, 18.501, 204.917

Protanopia

33, 4.417, 290.957

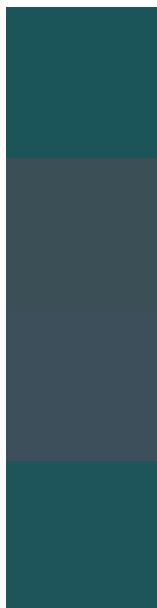
Deuteranopia

33, 10.148, 296.476



Tritanopia
33, 18.048, 211.458

Trichromacy



Original Color
33, 18.501, 204.917

Protanomaly
33, 8.903, 223.737

Deuteranomaly
32, 10.269, 246.629

Tritanomaly
33, 18.239, 209.193

Monochromacy



Original Color
33, 18.501, 204.917

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 8.478, 202.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 18.501, 204.917 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(28, 85, 89)` looks like.

```
.text, #text, p{  
    color:rgb(28, 85, 89)  
}
```

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(28, 85, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 85, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 18.501, 204.917 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(28, 85, 89) }
```

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

```
.border{ border-color:rgb(28, 85, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 85, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 85, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 85, 89);  
box-shadow:4px 4px 4px 4px rgb(28, 85, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 18.501, 204.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 85, 89) }
```

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

```
.background{ background-color: rgb(28, 85,  
89) }
```

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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