

Converting Colors

CIELCh(33, 18.329, 196.880)

Have a look what the booklet for
CIELCh(33, 18.329, 196.880)
contains.

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Color

CIELCh(33, 18.672, 194.935)

Conversions

Conversions Part 1

Format	Color
Hex	1F5655
RGB	31, 86, 85
RGB Percent	12%, 34%, 33%
CMY	0.8800, 0.6641, 0.6680
CMYK	0.64, 0.00, 0.01, 0.66
HSL	179°, 47%, 23%
HSV	179°, 64%, 34%
XYZ	5.4805, 7.5373, 9.6906
YIQ	69.4410, -32.4590, -11.9710

Conversions

Conversions Part 2

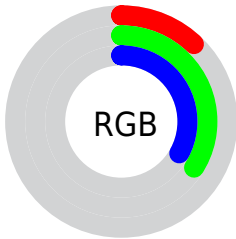
Format	Color
R _Y B	31, 59, 86
Decimal	2053717
CIE Lab	33.00, -18.04, -4.81
CIE LCh	33, 18.672, 194.935
Yxy	7.5373, 0.2413, 0.3319
Android (android.graphics.Color)	4280243797 (0xFF1F5655)
YUV	69.4410, 7.6706, -33.7128
Hunter-Lab	27.4541, -12.4119, -1.7100

Details

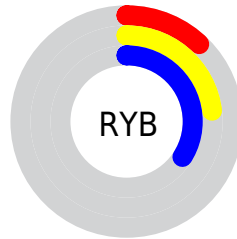
The CIELCh color **33, 18.672, 194.935** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **20, 28.540, 25.956**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 18.524, 195.784**, and **14, 13.874, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **33, 20.314, 194.594**, and if you desaturate by 10%, it is **33, 16.623, 195.308**.

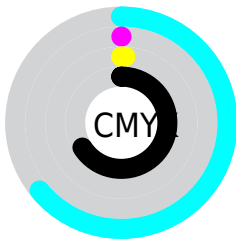
Distribution



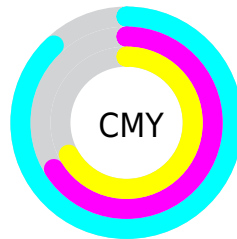
- Red (12%)
- Green (34%)
- Blue (33%)



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



- Cyan (64%)
- Magenta (0%)
- Yellow (1%)
- Black (66%)





- Cyan (88%)
- Magenta (66%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 18.672, 194.935 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, 18.672, 194.935 by changing the saturation by 10% instead.


 33, 18.672,
194.935


 33, 18.672,
194.935

 100, 18.672,
194.935


 23, 18.672,
194.935

 53, 18.672,
194.935


 13, 18.672,
194.935


 63, 18.672,
194.935

 3, 18.672, 194.935

 73, 18.672,
194.935

 0, 18.672, 194.935

 83, 18.672,
194.935

 93, 18.672,
194.935

■ 33, 18.672,
194.935

■ 33, 18.672,
194.935

■ 33, 20.314,
194.594

■ 33, 16.623,
195.308

■ 33, 21.540,
194.288

■ 34, 14.193,
195.720

■ 32, 22.434,
194.005

■ 34, 11.422,
196.170

■ 32, 22.935,
193.850

■ 35, 8.357, 196.657

■ 35, 5.047, 197.189

■ 36, 1.542, 197.857

■ 37, 2.113, 18.078

■ 38, 5.876, 18.740

■ 39, 9.712, 19.344

Harmonies

Complementary

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



33, 18.672, 194.935



20, 28.540, 25.956

Rectangle

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



33, 18.672, 194.935



33, 18.672, 244.935



33, 18.672, 14.935



33, 18.672, 64.935

Sweetspot

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



33, 18.672, 194.933



46, 8.284, 196.896



32, 40.005, 138.772



22, 5.612, 196.804



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, 18.672, 194.933



43, 25.396, 194.426



24, 18.897, 263.756



17, 2.025, 197.514



41, 26.813, 193.777



84, 47.708, 193.604

Inverse Universe

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



20, 28.540, 25.956



25, 43.491, 30.317



26, 23.353, 64.762



16, 2.127, 18.349



21, 52.263, 35.864



49, 97.438, 39.447

Previews

White Background



This preview shows how the CIELCh color 33, 18.672, 194.935 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, 18.672, 194.935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

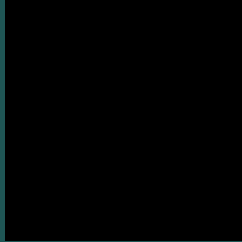
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

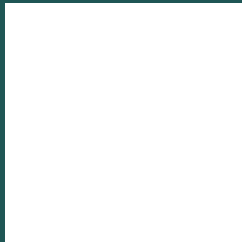
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 18.672, 194.935

Background



This preview shows how black text looks on a background with the CIELCh color 33, 18.672, 194.935.



This preview shows how white text looks on a background with the CIELCh color 33, 18.672, 194.935.

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, 18.672, 194.935

Protanopia

33, 1.342, 309.123

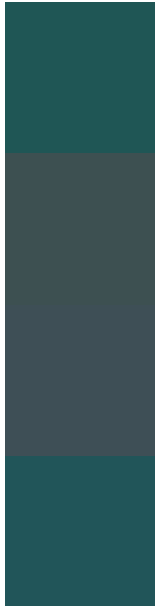
Deuteranopia

33, 7.897, 306.736



Tritanopia
33, 17.224, 210.037

Trichromacy



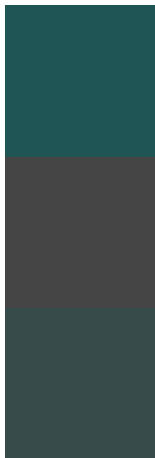
Original Color
33, 18.672, 194.935

Protanomaly
33, 7.688, 203.084

Deuteranomaly
32, 7.909, 232.828

Tritanomaly
33, 17.482, 205.506

Monochromacy



Original Color
33, 18.672, 194.935

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 8.152, 198.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 18.672, 194.935 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(31, 86, 85)` looks like.

```
.text, #text, p{  
    color:rgb(31, 86, 85)  
}
```

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(31, 86, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 86, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 18.672, 194.935 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(31, 86, 85) }
```

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

```
.border{ border-color:rgb(31, 86, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 86, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 86, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 86, 85);  
box-shadow:4px 4px 4px 4px rgb(31, 86, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 18.672, 194.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 86, 85) }
```

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

```
.background{ background-color: rgb(31, 86,  
85) }
```

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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