

Converting Colors

CIELCh(33, 24.831, 185.199)

Have a look what the booklet for
CIELCh(33, 24.831, 185.199)
contains.

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Color

CIELCh(33, 24.911, 184.304)

Conversions

Conversions Part 1

Format	Color
Hex	005850
RGB	0, 88, 80
RGB Percent	0%, 35%, 31%
CMY	1.0000, 0.6553, 0.6867
CMYK	1.00, 0.00, 0.09, 0.66
HSL	175°, 100%, 17%
HSV	175°, 100%, 34%
XYZ	4.9219, 7.5373, 8.7638
YIQ	60.7760, -49.8800, -21.1440

Conversions

Conversions Part 2

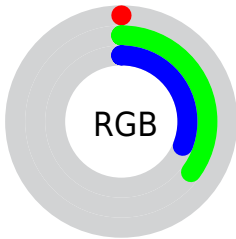
Format	Color
RYB	0, 46, 88
Decimal	22608
CIELab	33.00, -24.84, -1.87
CIELCh	33, 24.911, 184.304
Yxy	7.5373, 0.2319, 0.3551
Android (android.graphics.Color)	4278212688 (0xFF005850)
YUV	60.7760, 9.4774, -53.3006
Hunter-Lab	27.4541, -16.0439, 0.2916

Details

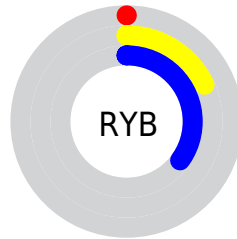
The CIELCh color **33, 24.911, 184.304** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **16, 42.870, 30.084**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 24.689, 184.706**, and **14, 15.965, 180.358** is the 20% darker color. If you saturate the color by 10%, you get **33, 24.891, 184.296**, and if you desaturate by 10%, it is **33, 23.809, 185.148**.

Distribution



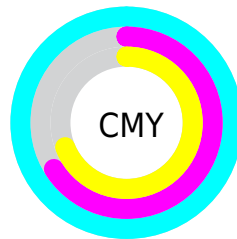
- Red (0%)
- Green (35%)
- Blue (31%)



- Red (0%)
- Yellow (18%)
- Blue (35%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (66%)





- Cyan (100%)
- Magenta (66%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 24.911, 184.304 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, 24.911, 184.304 by changing the saturation by 10% instead.


 33, 24.911,
184.304


 33, 24.911,
184.304

 100, 24.911,
184.304


 23, 24.911,
184.304

 53, 24.911,
184.304

 13, 24.911,
184.304


 63, 24.911,
184.304

 3, 24.911, 184.304

 73, 24.911,
184.304

 0, 24.911, 184.304

 83, 24.911,
184.304

 93, 24.911,
184.304

■ 33, 24.911,
184.304

■ 33, 24.911,
184.304

■ 33, 24.891,
184.296

■ 33, 23.809,
185.148

■ 33, 22.596,
186.022

■ 34, 20.968,
186.843

■ 34, 18.924,
187.621

■ 34, 16.487,
188.370

■ 35, 13.697,
189.099

■ 35, 10.600,
189.818

■ 36, 7.250, 190.533

Harmonies

Complementary

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



33, 24.911, 184.304



16, 42.870, 30.084

Rectangle

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



33, 24.911, 184.304



33, 24.911, 234.304



33, 24.911, 4.304



33, 24.911, 54.304

Sweetspot

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



33, 24.891, 184.296



46, 13.169, 189.746



32, 54.370, 135.037



23, 8.984, 189.554



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, 24.891, 184.296



43, 30.105, 183.926



21, 25.591, 268.163



17, 2.052, 191.367



40, 28.645, 184.014



84, 51.245, 183.254

Inverse Universe

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



16, 42.870, 30.084



22, 53.652, 33.665



21, 38.141, 54.017



16, 2.140, 12.450



21, 50.657, 32.894



49, 94.329, 36.936

Previews

White Background



This preview shows how the CIELCh color 33, 24.911, 184.304 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 CIELCh color 33, 24.911, 184.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

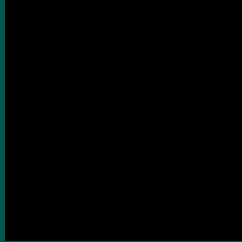
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 24.911, 184.304

Background



This preview shows how black text looks on a background with the CIELCh color 33, 24.911, 184.304.



This preview shows how white text looks on a background with the CIELCh color 33, 24.911, 184.304.

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, 24.911, 184.304

Protanopia

33, 2.295, 74.513

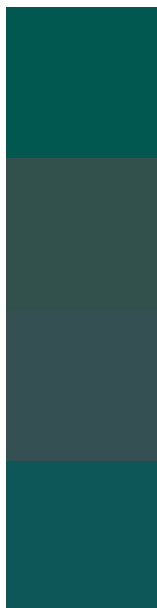
Deuteranopia

33, 5.356, 324.837



Tritanopia
33, 19.631, 210.085

Trichromacy



Original Color
33, 24.911, 184.304

Protanomaly
32, 12.457, 182.804

Deuteranomaly
32, 10.530, 204.916

Tritanomaly
33, 21.376, 198.301

Monochromacy



Original Color
33, 24.911, 184.304

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 12.778, 188.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 24.911, 184.304 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(0, 88, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 80)  
}
```

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(0, 88, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 24.911, 184.304 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(0, 88, 80) }
```

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

```
.border{ border-color:rgb(0, 88, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 88, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 80); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 88, 80); box-shadow:4px  
4px 4px 4px rgb(0, 88, 80) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 24.911, 184.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 80) }
```

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

```
.background{ background-color: rgb(0, 88,  
80) }
```

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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