

Converting Colors

CIELCh(33, 23.009, 195.721)

Have a look what the booklet for
CIELCh(33, 23.009, 195.721)
contains.

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Color

CIELCh(33, 22.892, 196.386)

Conversions

Conversions Part 1

Format	Color
Hex	005757
RGB	0, 87, 87
RGB Percent	0%, 34%, 34%
CMY	0.9987, 0.6581, 0.6582
CMYK	1.00, 0.00, 0.00, 0.66
HSL	180°, 99%, 17%
HSV	180°, 100%, 34%
XYZ	5.1535, 7.5373, 10.2364
YIQ	60.9870, -51.8520, -18.4440

Conversions

Conversions Part 2

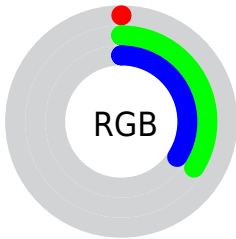
Format	Color
R _{YB}	0, 44, 87
Decimal	22359
CIE Lab	33.00, -21.96, -6.46
CIE LCh	33, 22.892, 196.386
Yxy	7.5373, 0.2248, 0.3287
Android (android.graphics.Color)	4278212439 (0xFF005757)
YUV	60.9870, 12.8244, -53.4856
Hunter-Lab	27.4541, -14.5380, -2.8886

Details

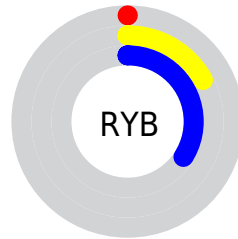
The CIELCh color **33, 22.892, 196.386** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **16, 43.878, 33.607**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 22.682, 197.209**, and **14, 13.903, 199.424** is the 20% darker color. If you saturate the color by 10%, you get **33, 22.924, 196.381**, and if you desaturate by 10%, it is **33, 22.067, 196.488**.

Distribution



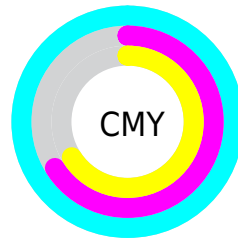
- Red (0%)
- Green (34%)
- Blue (34%)



- Red (0%)
- Yellow (17%)
- Blue (34%)



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




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 22.892, 196.386 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, 22.892, 196.386 by changing the saturation by 10% instead.

 33, 22.892,
196.386

 33, 22.892,
196.386

 100, 22.892,
196.386

 23, 22.892,
196.386

 53, 22.892,
196.386


 13, 22.892,
196.386


 63, 22.892,
196.386

 3, 22.892, 196.386

 73, 22.892,
196.386

 0, 22.892, 196.386

 83, 22.892,
196.386

 93, 22.892,
196.386

■ 33, 22.892,
196.386

■ 33, 22.892,
196.386

■ 33, 22.924,
196.381

■ 33, 22.067,
196.488

■ 33, 21.091,
196.612

■ 33, 19.698,
196.789

■ 34, 17.883,
197.022

■ 34, 15.661,
197.311

■ 35, 13.065,
197.654

■ 35, 10.137,
198.048

■ 36, 6.926, 198.494

Harmonies

Complementary

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



33, 22.892, 196.386



16, 43.878, 33.607

Rectangle

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



33, 22.892, 196.386



33, 22.892, 246.386



33, 22.892, 16.386



33, 22.892, 66.386

Sweetspot

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



33, 22.892, 196.385



45, 12.587, 197.993



31, 54.536, 135.889



22, 8.420, 197.892



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, 22.892, 196.385



42, 27.357, 196.381



18, 29.605, 278.341



17, 2.022, 199.057



41, 26.469, 196.381



85, 47.053, 196.380

Inverse Universe

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



16, 43.878, 33.607



22, 54.831, 37.107



23, 36.952, 61.122



16, 2.127, 19.817



21, 52.681, 36.571



49, 98.180, 39.999

Previews

White Background



This preview shows how the CIELCh color 33, 22.892, 196.386 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, 22.892, 196.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

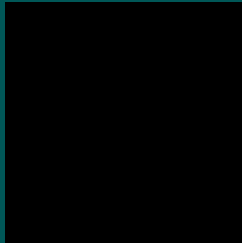
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 22.892, 196.386

Background



This preview shows how black text looks on a background with the CIELCh color 33, 22.892, 196.386.



This preview shows how white text looks on a background with the CIELCh color 33, 22.892, 196.386.

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, 22.892, 196.386

Protanopia

33, 2.567, 300.184

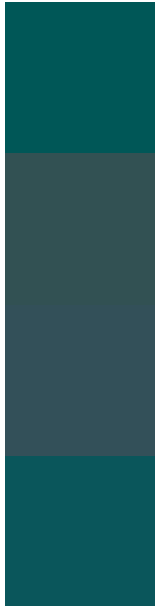
Deuteranopia

33, 9.012, 302.165



Tritanopia
33, 20.429, 209.471

Trichromacy



Original Color
33, 22.892, 196.386

Protanomaly
32, 11.843, 203.965

Deuteranomaly
32, 11.923, 226.874

Tritanomaly
33, 21.151, 205.371

Monochromacy



Original Color
33, 22.892, 196.386

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 12.323, 197.511

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 22.892, 196.386 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, 87, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 87, 87)  
}
```

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, 87, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 22.892, 196.386 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, 87, 87) }
```

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

```
.border{ border-color:rgb(0, 87, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 87, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 87); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 87, 87); box-shadow:4px  
4px 4px 4px rgb(0, 87, 87) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 22.892, 196.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 87, 87) }
```

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

```
.background{ background-color: rgb(0, 87,  
87) }
```

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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