

Converting Colors

CIELCh(31, 36.018, 196.386)

Have a look what the booklet for
CIELCh(31, 36.018, 196.386)
contains.

CIELCh(33, 22.400, 199.733)	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, 22.400, 199.733)

Conversions

Conversions Part 1

Format	Color
Hex	025759
RGB	2, 87, 89
RGB Percent	1%, 34%, 35%
CMY	0.9929, 0.6591, 0.6513
CMYK	0.98, 0.02, 0.00, 0.65
HSL	181°, 96%, 18%
HSV	181°, 98%, 35%
XYZ	5.2255, 7.5373, 10.6141
YIQ	61.8130, -51.3020, -17.3980

Conversions

Conversions Part 2

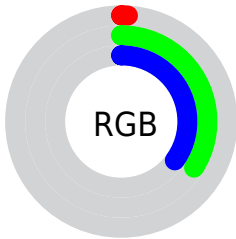
Format	Color
R_{YB}	2, 45, 89
Decimal	153433
CIE _{Lab}	33.00, -21.08, -7.56
CIE _{LCh}	33, 22.400, 199.733
Yxy	7.5373, 0.2235, 0.3224
Android (android.graphics.Color)	4278343513 (0xFF025759)
YUV	61.8130, 13.4032, -52.4560
Hunter-Lab	27.4541, -14.0697, -3.7044

Details

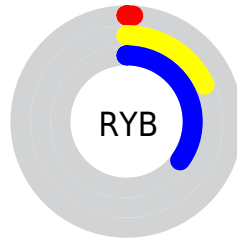
The CIELCh color **33, 22.400, 199.733** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **17, 43.734, 34.564**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 22.251, 200.284**, and **14, 13.655, 205.695** is the 20% darker color. If you saturate the color by 10%, you get **33, 22.557, 199.758**, and if you desaturate by 10%, it is **33, 21.640, 199.595**.

Distribution



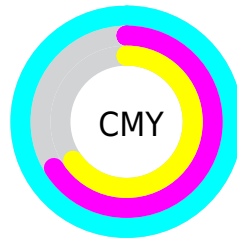
- Red (1%)
- Green (34%)
- Blue (35%)



- Red (1%)
- Yellow (18%)
- Blue (35%)



- Cyan (98%)
- Magenta (2%)
- Yellow (0%)
- Black (65%)





- Cyan (99%)
- Magenta (66%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 22.400, 199.733 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, 22.400, 199.733 by changing the saturation by 10% instead.


 33, 22.400,
199.733


 33, 22.400,
199.733

 100, 22.400,
199.733


 23, 22.400,
199.733

 53, 22.400,
199.733


 13, 22.400,
199.733


 63, 22.400,
199.733

 3, 22.400, 199.733

 73, 22.400,
199.733

 0, 22.400, 199.733

 83, 22.400,
199.733

 93, 22.400,
199.733

■ 33, 22.400,
199.733

■ 33, 22.400,
199.733

■ 33, 22.557,
199.758

■ 33, 21.640,
199.595

■ 33, 20.648,
199.501

■ 34, 19.227,
199.498

■ 34, 17.379,
199.581

■ 35, 15.125,
199.744

■ 35, 12.500,
199.982

■ 36, 9.549, 200.287

■ 36, 6.323, 200.657

Harmonies

Complementary

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



33, 22.400, 199.733



17, 43.734, 34.564

Rectangle

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



33, 22.400, 199.733



33, 22.400, 249.733



33, 22.400, 19.733



33, 22.400, 69.733

Sweetspot

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



33, 22.400, 199.732



46, 12.143, 200.222



32, 54.470, 136.507



23, 8.316, 200.134



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, 22.400, 199.732



43, 26.956, 199.868



18, 31.494, 281.386



17, 1.976, 201.073



40, 25.673, 199.840



83, 45.548, 200.081

Inverse Universe

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



19, 52.174, 329.048



26, 63.011, 329.122



24, 36.933, 64.381



16, 3.629, 325.474



24, 60.006, 329.115



55, 106.549, 329.175

Previews

White Background



This preview shows how the CIELCh color 33, 22.400, 199.733 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, 22.400, 199.733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

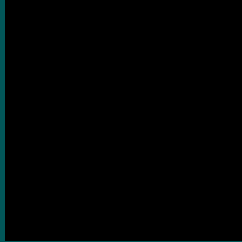
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 22.400, 199.733

Background



This preview shows how black text looks on a background with the CIELCh color 33, 22.400, 199.733.

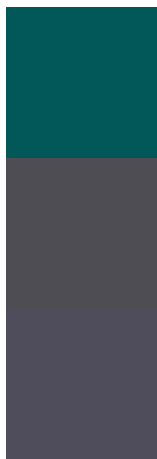


This preview shows how white text looks on a background with the CIELCh color 33, 22.400, 199.733.

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, 22.394, 199.749

Protanopia

33, 3.816, 297.195

Deuteranopia

33, 9.568, 299.126



Tritanopia
33, 20.653, 209.305

Trichromacy



Original Color
33, 22.394, 199.749

Protanomaly
32, 11.860, 210.262

Deuteranomaly
32, 12.154, 229.775

Tritanomaly
33, 21.087, 207.193

Monochromacy



Original Color
33, 22.394, 199.749

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 11.923, 200.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 22.400, 199.733 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(2, 87, 89)` looks like.

```
.text, #text, p{  
    color:rgb(2, 87, 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(2, 87, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 87, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 22.400, 199.733 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(2, 87, 89) }
```

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

```
.border{ border-color:rgb(2, 87, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 87, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 87, 89); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 87, 89); box-shadow:4px  
4px 4px 4px rgb(2, 87, 89) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 22.400, 199.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 87, 89) }
```

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

```
.background{ background-color: rgb(2, 87,  
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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