

Converting Colors

CIELCh(33, 23.400, 191.754)

Have a look what the booklet for
CIELCh(33, 23.400, 191.754)
contains.

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Color

CIELCh(33, 23.379, 191.593)

Conversions

Conversions Part 1

Format	Color
Hex	025754
RGB	2, 87, 84
RGB Percent	1%, 34%, 33%
CMY	0.9931, 0.6573, 0.6691
CMYK	0.98, 0.00, 0.03, 0.66
HSL	178°, 96%, 17%
HSV	178°, 98%, 34%
XYZ	5.0771, 7.5373, 9.6535
YIQ	61.2430, -49.6970, -18.9530

Conversions

Conversions Part 2

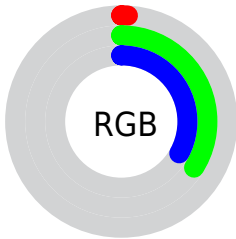
Format	Color
R _Y B	2, 45, 87
Decimal	153428
CIE Lab	33.00, -22.90, -4.70
CIE LCh	33, 23.379, 191.593
Yxy	7.5373, 0.2280, 0.3385
Android (android.graphics.Color)	4278343508 (0xFF025754)
YUV	61.2430, 11.2192, -51.9561
Hunter-Lab	27.4541, -15.0348, -1.6300

Details

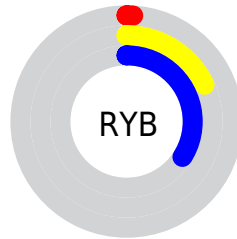
The CIELCh color **33, 23.379, 191.593** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **16, 42.871, 32.169**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 23.227, 191.351**, and **14, 14.531, 190.562** is the 20% darker color. If you saturate the color by 10%, you get **33, 23.563, 191.509**, and if you desaturate by 10%, it is **33, 22.475, 192.022**.

Distribution



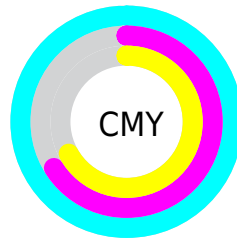
- Red (1%)
- Green (34%)
- Blue (33%)



- Red (1%)
- Yellow (18%)
- Blue (34%)



- Cyan (98%)
- Magenta (0%)
- Yellow (3%)
- Black (66%)





- Cyan (99%)
- Magenta (66%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 23.379, 191.593 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, 23.379, 191.593 by changing the saturation by 10% instead.


 33, 23.379,
191.593


 33, 23.379,
191.593

 100, 23.379,
191.593


 23, 23.379,
191.593

 53, 23.379,
191.593


 13, 23.379,
191.593


 63, 23.379,
191.593

 3, 23.379, 191.593

 73, 23.379,
191.593

 0, 23.379, 191.593

 83, 23.379,
191.593

 93, 23.379,
191.593

■ 33, 23.379,
191.593

■ 33, 23.379,
191.593

■ 33, 23.563,
191.509

■ 33, 22.475,
192.022

■ 33, 21.352,
192.466

■ 34, 19.807,
192.918

■ 34, 17.843,
193.386

■ 34, 15.482,
193.874

■ 35, 12.762,
194.385

■ 35, 9.728, 194.923

■ 36, 6.431, 195.490

Harmonies

Complementary

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



33, 23.379, 191.593



16, 42.871, 32.169

Rectangle

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



33, 23.379, 191.593



33, 23.379, 241.593



33, 23.379, 11.593



33, 23.379, 61.593

Sweetspot

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



33, 23.379, 191.592



46, 12.535, 194.814



32, 53.861, 135.719



23, 8.590, 194.662



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, 23.379, 191.592



43, 28.551, 191.347



20, 27.421, 273.976



17, 2.029, 196.064



40, 27.180, 191.385



84, 48.412, 191.058

Inverse Universe

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



16, 42.871, 32.169



22, 55.003, 35.963



22, 36.755, 58.460



16, 2.128, 16.964



21, 51.875, 35.186



49, 96.779, 38.943

Previews

White Background



This preview shows how the CIELCh color 33, 23.379, 191.593 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, 23.379, 191.593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

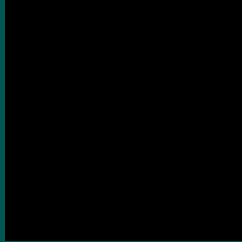
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 23.379, 191.593

Background



This preview shows how black text looks on a background with the CIELCh color 33, 23.379, 191.593.



This preview shows how white text looks on a background with the CIELCh color 33, 23.379, 191.593.

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, 23.281, 191.586

Protanopia

33, 1.081, 343.644

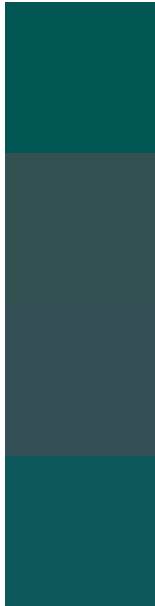
Deuteranopia

33, 7.276, 308.009



Tritanopia
33, 20.183, 209.655

Trichromacy



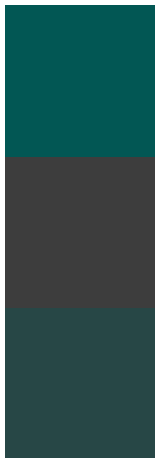
Original Color
33, 23.281, 191.586

Protanomaly
32, 11.733, 194.625

Deuteranomaly
32, 11.106, 218.193

Tritanomaly
33, 21.340, 201.777

Monochromacy



Original Color
33, 23.281, 191.586

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 12.444, 194.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 23.379, 191.593 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(2, 87, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 87, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 23.379, 191.593 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, 84) }
```

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

```
.border{ border-color:rgb(2, 87, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 87, 84); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 87, 84); box-shadow:4px  
4px 4px 4px rgb(2, 87, 84) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 23.379, 191.593 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, 84) }
```

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

```
.background{ background-color: rgb(2, 87,  
84) }
```

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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