

Converting Colors

CIELCh(29, 18.119, 181.812)

Have a look what the booklet for
CIELCh(29, 18.119, 181.812)
contains.

CIELCh(29, 18.173, 182.233)	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(29, 18.173, 182.233)

Conversions

Conversions Part 1

Format	Color
Hex	1C4C45
RGB	28, 76, 69
RGB Percent	11%, 30%, 27%
CMY	0.8904, 0.7021, 0.7296
CMYK	0.63, 0.00, 0.09, 0.70
HSL	171°, 46%, 20%
HSV	171°, 63%, 30%
XYZ	4.1317, 5.8380, 6.5322
YIQ	60.8500, -26.3610, -12.3530

Conversions

Conversions Part 2

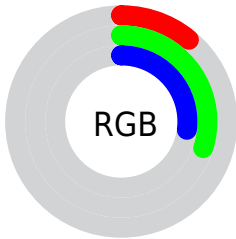
Format	Color
R_YB	28, 54, 76
Decimal	1854533
CIE Lab	29.00, -18.16, -0.71
CIE LCh	29, 18.173, 182.233
Yxy	5.8380, 0.2504, 0.3538
Android (android.graphics.Color)	4280044613 (0xFF1C4C45)
YUV	60.8500, 4.0180, -28.8094
Hunter-Lab	24.1619, -11.7596, 0.8842

Details

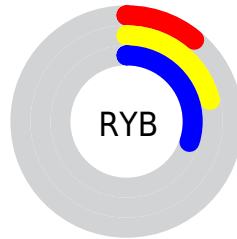
The CIELCh color **29, 18.173, 182.233** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **18, 24.422, 16.030**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 17.994, 182.271**, and **10, 13.708, 177.283** is the 20% darker color. If you saturate the color by 10%, you get **29, 20.084, 181.223**, and if you desaturate by 10%, it is **29, 15.929, 183.173**.

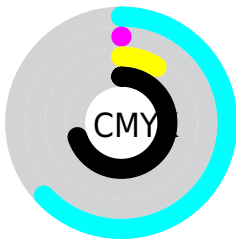
Distribution



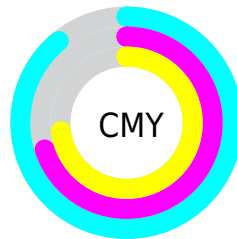
- Red (11%)
- Green (30%)
- Blue (27%)



- Red (11%)
- Yellow (21%)
- Blue (30%)



- Cyan (63%)
- Magenta (0%)
- Yellow (9%)
- Black (70%)





- Cyan (89%)
- Magenta (70%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 18.173, 182.233 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 29, 18.173, 182.233 by changing the saturation by 10% instead.

 29, 18.173,
182.233


 29, 18.173,
182.233

 100, 18.173,
182.233


 19, 18.173,
182.233


 49, 18.173,
182.233


 9, 18.173, 182.233

 59, 18.173,
182.233

 0, 18.173, 182.233

 69, 18.173,
182.233

 79, 18.173,
182.233

 89, 18.173,
182.233

 99, 18.173,

182.233

■ 29, 18.173,
182.233

■ 29, 18.173,
182.233

■ 29, 20.084,
181.223

■ 29, 15.929,
183.173

■ 29, 21.641,
180.130

■ 30, 13.384,
184.061

■ 28, 22.922,
178.988

■ 30, 10.581,
184.908

■ 28, 23.801,
178.272

■ 31, 7.565, 185.726

■ 31, 4.382, 186.531

■ 32, 1.076, 187.473

■ 33, 2.317, 7.854

■ 34, 5.761, 8.642

■ 34, 9.231, 9.365

Harmonies

Complementary

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



29, 18.173, 182.233



18, 24.422, 16.030

Rectangle

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



29, 18.173, 182.233



29, 18.173, 232.233



29, 18.173, 2.233



29, 18.173, 52.233

Sweetspot

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



29, 18.173, 182.232



41, 7.798, 186.005



28, 34.681, 136.598



20, 5.394, 185.873



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29, 18.173, 182.232



38, 25.302, 180.610



23, 14.909, 247.325



15, 1.876, 186.908



38, 29.361, 177.624



82, 53.778, 176.472

Inverse Universe

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



18, 24.422, 16.030



22, 36.688, 20.504



22, 20.875, 53.609



14, 1.945, 8.070



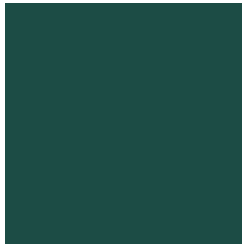
19, 47.474, 29.634



48, 89.649, 33.951

Previews

White Background



This preview shows how the CIELCh color 29, 18.173, 182.233 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 29, 18.173, 182.233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

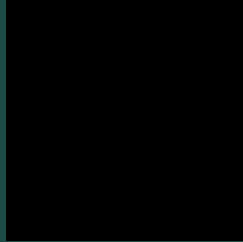
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 18.173, 182.233

Background



This preview shows how black text looks on a background with the CIELCh color 29, 18.173, 182.233.



This preview shows how white text looks on a background with the CIELCh color 29, 18.173, 182.233.

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
29, 18.173, 182.233

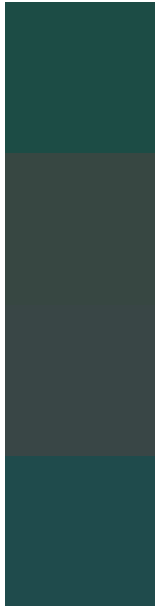
Protanopia
29, 2.715, 90.144

Deuteranopia
29, 4.484, 334.255



Tritanopia
29, 14.687, 212.819

Trichromacy



Original Color
29, 18.173, 182.233

Protanomaly
29, 7.643, 173.212

Deuteranomaly
29, 5.491, 198.577

Tritanomaly
29, 15.605, 199.510

Monochromacy



Original Color
29, 18.173, 182.233

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 7.352, 187.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 18.173, 182.233 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(28, 76, 69)` looks like.

```
.text, #text, p{  
    color:rgb(28, 76, 69)  
}
```

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(28, 76, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 76, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 18.173, 182.233 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(28, 76, 69) }
```

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

```
.border{ border-color:rgb(28, 76, 69) }
```

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

Here you see how a box with a 4 pixel rgb(28, 76, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 76, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 76, 69);  
box-shadow:4px 4px 4px 4px rgb(28, 76, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 18.173, 182.233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 76, 69) }
```

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

```
.background{ background-color: rgb(28, 76,  
69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor