

Converting Colors

CIELCh(33, 28.931, 169.729)

Have a look what the booklet for
CIELCh(33, 28.931, 169.729)
contains.

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Color

CIELCh(33, 28.979, 169.801)

Conversions

Conversions Part 1

Format	Color
Hex	025945
RGB	2, 89, 69
RGB Percent	1%, 35%, 27%
CMY	0.9940, 0.6520, 0.7304
CMYK	0.98, 0.00, 0.23, 0.65
HSL	166°, 97%, 18%
HSV	166°, 98%, 35%
XYZ	4.6360, 7.5373, 6.8004
YIQ	60.7070, -45.4320, -24.6640

Conversions

Conversions Part 2

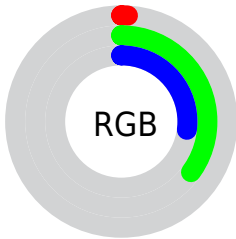
Format	Color
R_{YB}	2, 51, 89
Decimal	153925
CIE _{Lab}	33.00, -28.52, 5.13
CIE _{LCh}	33, 28.979, 169.801
Yxy	7.5373, 0.2443, 0.3972
Android (android.graphics.Color)	4278344005 (0xFF025945)
YUV	60.7070, 4.0884, -51.4860
Hunter-Lab	27.4541, -17.9025, 4.5316

Details

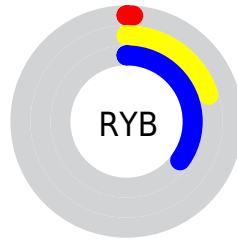
The CIELCh color **33, 28.979, 169.801** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **17, 40.309, 21.966**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 29.170, 169.414**, and **14, 20.318, 161.283** is the 20% darker color. If you saturate the color by 10%, you get **33, 29.267, 169.559**, and if you desaturate by 10%, it is **33, 27.335, 171.307**.

Distribution



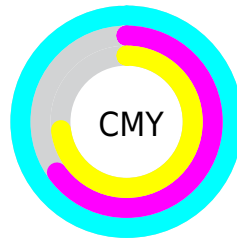
- Red (1%)
- Green (35%)
- Blue (27%)



- Red (1%)
- Yellow (20%)
- Blue (35%)



- Cyan (98%)
- Magenta (0%)
- Yellow (23%)
- Black (65%)





- Cyan (99%)
- Magenta (65%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 28.979, 169.801 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, 28.979, 169.801 by changing the saturation by 10% instead.


 33, 28.979,
169.801


 33, 28.979,
169.801

 100, 28.979,
169.801


 23, 28.979,
169.801

 53, 28.979,
169.801


 13, 28.979,
169.801


 63, 28.979,
169.801

 3, 28.979, 169.801

 73, 28.979,
169.801

 0, 28.979, 169.801

 83, 28.979,
169.801

 93, 28.979,
169.801

■ 33, 28.979,
169.801

■ 33, 28.979,
169.801

■ 33, 29.267,
169.559

■ 33, 27.335,
171.307

■ 33, 25.498,
172.818

■ 34, 23.259,
174.187

■ 34, 20.634,
175.432

■ 34, 17.656,
176.571

■ 35, 14.374,
177.624

■ 36, 10.844,
178.607

■ 36, 7.122, 179.537

Harmonies

Complementary

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



33, 28.979, 169.801



17, 40.309, 21.966

Rectangle

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



33, 28.979, 169.801



33, 28.979, 219.801



33, 28.979, 349.801



33, 28.979, 39.801

Sweetspot

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



33, 28.979, 169.800



46, 13.704, 178.449



32, 52.983, 133.468



23, 9.426, 178.179



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, 28.979, 169.800



43, 35.364, 168.897



25, 20.925, 245.234



17, 2.163, 180.406



40, 33.600, 169.061



83, 60.861, 167.667

Inverse Universe

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



17, 40.309, 21.966



23, 49.644, 24.544



19, 39.925, 44.816



16, 2.227, 1.732



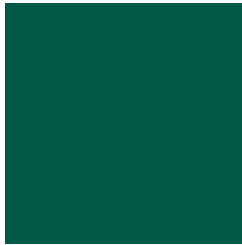
21, 47.119, 24.055



49, 86.274, 28.115

Previews

White Background



This preview shows how the CIELCh color 33, 28.979, 169.801 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 33, 28.979, 169.801 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, 28.979, 169.801

Background



This preview shows how black text looks on a background with the CIELCh color 33, 28.979, 169.801.



This preview shows how white text looks on a background with the CIELCh color 33, 28.979, 169.801.

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, 28.979, 169.801

Protanopia

33, 9.567, 97.303

Deuteranopia

33, 5.750, 39.176



Tritanopia
33, 18.647, 210.906

Trichromacy



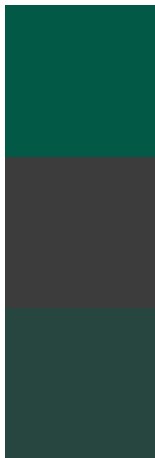
Original Color
33, 28.979, 169.801

Protanomaly
32, 16.438, 156.416

Deuteranomaly
32, 11.642, 168.343

Tritanomaly
33, 21.566, 191.435

Monochromacy



Original Color
33, 28.979, 169.801

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 13.476, 177.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 28.979, 169.801 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, 89, 69)` looks like.

```
.text, #text, p{  
    color:rgb(2, 89, 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(2, 89, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 89, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 28.979, 169.801 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, 89, 69) }
```

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

```
.border{ border-color:rgb(2, 89, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 89, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 89, 69); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 89, 69); box-shadow:4px  
4px 4px 4px rgb(2, 89, 69) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 28.979, 169.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 89, 69) }
```

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

```
.background{ background-color: rgb(2, 89,  
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](#).

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