

Converting Colors

CIELCh(27, 53.327, 169.487)

Have a look what the booklet for
CIELCh(27, 53.327, 169.487)
contains.

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Color

CIELCh(29, 33.055, 156.989)

Conversions

Conversions Part 1

Format	Color
Hex	004F2F
RGB	0, 79, 47
RGB Percent	0%, 31%, 18%
CMY	1.0000, 0.6890, 0.8142
CMYK	1.00, 0.00, 0.40, 0.69
HSL	156°, 100%, 16%
HSV	156°, 100%, 31%
XYZ	3.3259, 5.8380, 3.6802
YIQ	51.7310, -36.8120, -26.7000

Conversions

Conversions Part 2

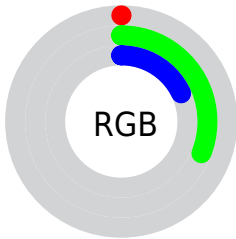
Format	Color
RYB	0, 50, 79
Decimal	20271
CIELab	29.00, -30.42, 12.92
CIELCh	29, 33.055, 156.989
Yxy	5.8380, 0.2589, 0.4545
Android (android.graphics.Color)	4278210351 (0xFF004F2F)
YUV	51.7310, -2.3324, -45.3681
Hunter-Lab	24.1619, -17.7130, 7.8826

Details

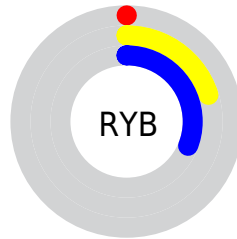
The CIELCh color **29, 33.055, 156.989** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **14, 36.196, 6.428**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 32.960, 156.522**, and **11, 25.980, 143.748** is the 20% darker color. If you saturate the color by 10%, you get **29, 32.939, 156.854**, and if you desaturate by 10%, it is **29, 30.611, 158.434**.

Distribution



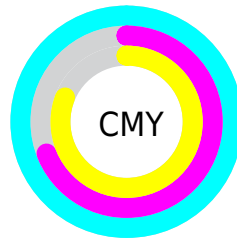
- Red (0%)
- Green (31%)
- Blue (18%)



- Red (0%)
- Yellow (20%)
- Blue (31%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (69%)





- Cyan (100%)
- Magenta (69%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 33.055, 156.989 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, 33.055, 156.989 by changing the saturation by 10% instead.

 29, 33.055,
156.989


 29, 33.055,
156.989

 100, 33.055,
156.989


 19, 33.055,
156.989


 49, 33.055,
156.989


 9, 33.055, 156.989

 59, 33.055,
156.989

 0, 33.055, 156.989

 69, 33.055,
156.989

 79, 33.055,
156.989

 89, 33.055,
156.989

 99, 33.055,

156.989

■ 29, 33.055,
156.989

■ 29, 33.055,
156.989

■ 29, 32.939,
156.854

■ 29, 30.611,
158.434

■ 29, 28.220,
160.171

■ 30, 25.497,
161.752

■ 30, 22.449,
163.171

■ 31, 19.116,
164.446

■ 31, 15.548,
165.597

■ 32, 11.801,
166.641

■ 32, 7.927, 167.599

■ 33, 3.979, 168.499

Harmonies

Complementary

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



29, 33.055, 156.989



14, 36.196, 6.428

Rectangle

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



29, 33.055, 156.989



29, 33.055, 206.989



29, 33.055, 336.989



29, 33.055, 26.989

Sweetspot

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



29, 32.939, 156.854



41, 14.515, 166.537



29, 47.269, 129.103



19, 9.756, 166.315



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, 32.939, 156.854



38, 39.803, 156.004



28, 19.539, 209.522



16, 2.277, 168.610



38, 40.555, 155.930



82, 75.023, 154.242

Inverse Universe

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



14, 36.196, 6.428



20, 43.100, 8.263



15, 39.099, 35.123



15, 2.314, 349.898



21, 43.860, 8.425



49, 79.058, 12.253

Previews

White Background



This preview shows how the CIE LCh color 29, 33.055, 156.989 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 29, 33.055, 156.989 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, 33.055, 156.989

Background



This preview shows how black text looks on a background with the CIELCh color 29, 33.055, 156.989.



This preview shows how white text looks on a background with the CIELCh color 29, 33.055, 156.989.

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

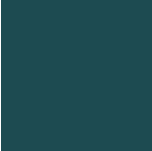
29, 32.928, 156.722

Protanopia

29, 16.749, 96.678

Deuteranopia

29, 12.207, 71.230



Tritanopia
29, 15.858, 211.487

Trichromacy



Original Color
29, 32.928, 156.722

Protanomaly
28, 21.203, 139.401

Deuteranomaly
28, 16.071, 140.295

Tritanomaly
29, 20.695, 181.845

Monochromacy



Original Color
29, 32.928, 156.722

Achromatopsia
22, 0.004, 296.813

Achromatomaly
24, 14.832, 164.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 33.055, 156.989 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, 79, 47)` looks like.

```
.text, #text, p{  
    color:rgb(0, 79, 47)  
}
```

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, 79, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 79, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 33.055, 156.989 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, 79, 47) }
```

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

```
.border{ border-color:rgb(0, 79, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 79, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 79, 47); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 79, 47); box-shadow:4px  
4px 4px 4px rgb(0, 79, 47) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 33.055, 156.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 79, 47) }
```

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

```
.background{ background-color: rgb(0, 79,  
47) }
```

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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