

Converting Colors

CIELCh(29, 29.294, 157.969)

Have a look what the booklet for
CIELCh(29, 29.294, 157.969)
contains.

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Color

CIELCh(29, 28.776, 158.532)

Conversions

Conversions Part 1

Format	Color
Hex	0F4E33
RGB	15, 78, 51
RGB Percent	6%, 31%, 20%
CMY	0.9395, 0.6929, 0.7989
CMYK	0.80, 0.00, 0.35, 0.69
HSL	154°, 67%, 18%
HSV	154°, 80%, 31%
XYZ	3.5533, 5.8380, 4.1035
YIQ	56.0850, -28.8810, -21.7530

Conversions

Conversions Part 2

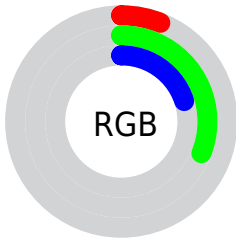
Format	Color
RYB	15, 55, 78
Decimal	1003059
CIELab	29.00, -26.78, 10.53
CIELCh	29, 28.776, 158.532
Yxy	5.8380, 0.2633, 0.4326
Android (android.graphics.Color)	4279193139 (0xFF0F4E33)
YUV	56.0850, -2.5069, -36.0315
Hunter-Lab	24.1619, -16.0331, 6.8439

Details

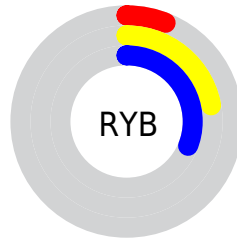
The CIELCh color **29, 28.776, 158.532** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **16, 31.347, 358.546**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 29.049, 157.865**, and **10, 23.346, 146.656** is the 20% darker color. If you saturate the color by 10%, you get **29, 31.250, 156.791**, and if you desaturate by 10%, it is **29, 25.978, 160.121**.

Distribution



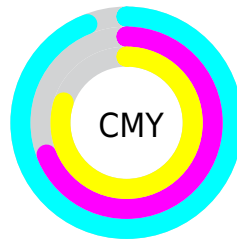
- Red (6%)
- Green (31%)
- Blue (20%)



- Red (6%)
- Yellow (22%)
- Blue (31%)



- Cyan (80%)
- Magenta (0%)
- Yellow (35%)
- Black (69%)





- Cyan (94%)
- Magenta (69%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 28.776, 158.532 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, 28.776, 158.532 by changing the saturation by 10% instead.

 29, 28.776,
158.532


 29, 28.776,
158.532

 100, 28.776,
158.532


 19, 28.776,
158.532


 49, 28.776,
158.532


 9, 28.776, 158.532

 59, 28.776,
158.532

 0, 28.776, 158.532

 69, 28.776,
158.532

 79, 28.776,
158.532

 89, 28.776,
158.532

 99, 28.776,

158.532

■ 29, 28.776,
158.532

■ 29, 28.776,
158.532

■ 29, 31.250,
156.791

■ 29, 25.978,
160.121

■ 29, 33.597,
155.273

■ 30, 22.860,
161.546

■ 30, 19.462,
162.825

■ 31, 15.836,
163.975

■ 31, 12.037,
165.015

■ 32, 8.119, 165.965

■ 32, 4.132, 166.852

■ 33, 0.119, 169.441

■ 34, 3.885, 348.272

Harmonies

Complementary

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



29, 28.776, 158.532



16, 31.347, 358.546

Rectangle

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



29, 28.776, 158.532



29, 28.776, 208.532



29, 28.776, 338.532



29, 28.776, 28.532

Sweetspot

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



29, 28.776, 158.532



41, 11.912, 165.540



29, 39.938, 128.530



20, 8.070, 165.355



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, 28.776, 158.532



38, 39.924, 155.071



28, 18.158, 205.506



15, 2.195, 167.000



37, 41.015, 154.369



81, 76.737, 152.614

Inverse Universe

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



16, 31.347, 358.546



20, 42.167, 4.465



16, 32.649, 33.596



14, 2.227, 348.242



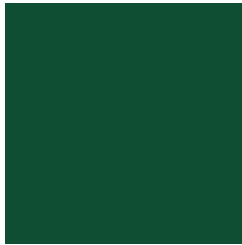
20, 43.085, 5.777



49, 78.077, 9.549

Previews

White Background



This preview shows how the CIELCh color 29, 28.776, 158.532 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, 28.776, 158.532 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, 28.776, 158.532

Background



This preview shows how black text looks on a background with the CIELCh color 29, 28.776, 158.532.



This preview shows how white text looks on a background with the CIELCh color 29, 28.776, 158.532.

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, 28.776, 158.532

Protanopia
29, 13.720, 95.126

Deuteranopia
29, 10.330, 67.679



Tritanopia
29, 15.413, 211.964

Trichromacy



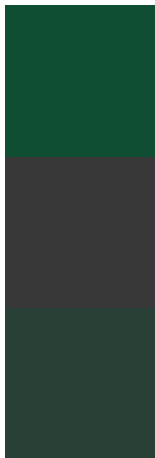
Original Color
29, 28.776, 158.532

Protanomaly
28, 17.122, 138.048

Deuteranomaly
28, 12.475, 136.708

Tritanomaly
29, 18.575, 184.536

Monochromacy



Original Color
29, 28.776, 158.532

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 12.062, 164.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 28.776, 158.532 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(15, 78, 51)` looks like.

```
.text, #text, p{  
    color:rgb(15, 78, 51)  
}
```

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(15, 78, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 78, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 28.776, 158.532 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(15, 78, 51) }
```

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

```
.border{ border-color:rgb(15, 78, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 78, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 78, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 78, 51);  
box-shadow:4px 4px 4px 4px rgb(15, 78, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 28.776, 158.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 78, 51) }
```

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

```
.background{ background-color: rgb(15, 78,  
51) }
```

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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