

Converting Colors

CIELCh(28, 28.200, 159.226)

Have a look what the booklet for
CIELCh(28, 28.200, 159.226)
contains.

CIELCh(28, 28.275, 159.167)	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(28, 28.275, 159.167)

Conversions

Conversions Part 1

Format	Color
Hex	0D4C32
RGB	13, 76, 50
RGB Percent	5%, 30%, 20%
CMY	0.9500, 0.7026, 0.8045
CMYK	0.83, 0.00, 0.34, 0.70
HSL	155°, 71%, 17%
HSV	155°, 83%, 30%
XYZ	3.3069, 5.4574, 3.8786
YIQ	54.1990, -29.2020, -21.4420

Conversions

Conversions Part 2

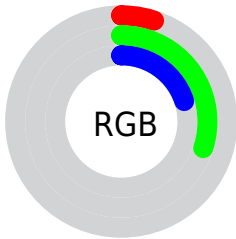
Format	Color
RYB	13, 53, 76
Decimal	871474
CIELab	28.00, -26.43, 10.06
CIElCh	28, 28.275, 159.167
Yxy	5.4574, 0.2616, 0.4317
Android (android.graphics.Color)	4279061554 (0xFF0D4C32)
YUV	54.1990, -2.0701, -36.1315
Hunter-Lab	23.3610, -15.6142, 6.5090

Details

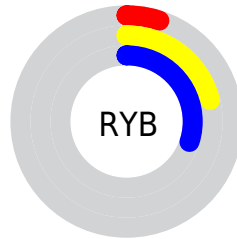
The CIELCh color **28, 28.275, 159.167** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **15, 31.153, 0.601**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 28.693, 158.634**, and **10, 22.748, 146.359** is the 20% darker color. If you saturate the color by 10%, you get **28, 30.592, 157.472**, and if you desaturate by 10%, it is **28, 25.703, 160.785**.

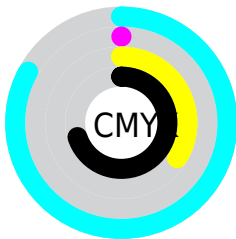
Distribution



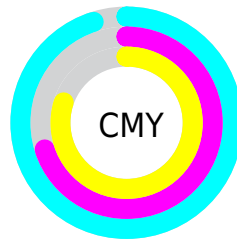
- Red (5%)
- Green (30%)
- Blue (20%)



- Red (5%)
- Yellow (21%)
- Blue (30%)



- Cyan (83%)
- Magenta (0%)
- Yellow (34%)
- Black (70%)




- Cyan (95%)
- Magenta (70%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 28.275, 159.167 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 28, 28.275, 159.167 by changing the saturation by 10% instead.

 28, 28.275,
159.167


 28, 28.275,
159.167

 100, 28.275,
159.167


 18, 28.275,
159.167


 48, 28.275,
159.167


 8, 28.275, 159.167

 58, 28.275,
159.167

 0, 28.275, 159.167

 68, 28.275,
159.167

 78, 28.275,
159.167

 88, 28.275,
159.167

 98, 28.275,

159.167

■ 28, 28.275,
159.167

■ 28, 28.275,
159.167

■ 28, 30.592,
157.472

■ 28, 25.703,
160.785

■ 28, 32.177,
156.459

■ 29, 22.813,
162.240

■ 29, 19.638,
163.546

■ 29, 16.227,
164.723

■ 30, 12.630,
165.788

■ 31, 8.900, 166.761

■ 31, 5.086, 167.664

■ 32, 1.231, 168.614

■ 33, 2.629, 349.110

Harmonies

Complementary

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



28, 28.275, 159.167



15, 31.153, 0.601

Rectangle

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



28, 28.275, 159.167



28, 28.275, 209.167



28, 28.275, 339.167



28, 28.275, 29.167

Sweetspot

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



28, 28.275, 159.167



40, 11.984, 166.500



28, 40.154, 129.064



20, 8.231, 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.



28, 28.275, 159.167



37, 39.451, 155.513



27, 17.714, 208.130



15, 2.169, 168.063



38, 40.216, 155.436



81, 75.183, 153.685

Inverse Universe

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



15, 31.153, 0.601



19, 42.323, 7.246



15, 32.466, 34.204



14, 2.202, 349.318



20, 43.084, 7.413



49, 78.265, 11.307

Previews

White Background



This preview shows how the CIELCh color 28, 28.275, 159.167 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 28, 28.275, 159.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

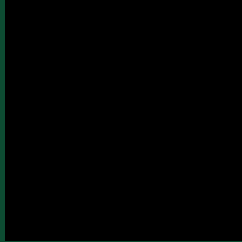
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 28.275, 159.167

Background



This preview shows how black text looks on a background with the CIELCh color 28, 28.275, 159.167.



This preview shows how white text looks on a background with the CIELCh color 28, 28.275, 159.167.

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
28, 28.275, 159.167

Protanopia
28, 13.059, 96.735

Deuteranopia
28, 9.441, 62.915



Tritanopia
28, 15.112, 212.361

Trichromacy



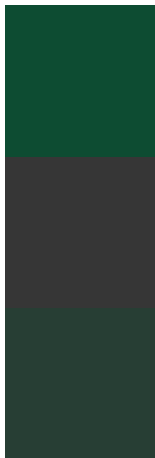
Original Color
28, 28.275, 159.167

Protanomaly
27, 17.440, 139.174

Deuteranomaly
27, 12.212, 139.878

Tritanomaly
28, 18.022, 186.201

Monochromacy



Original Color
28, 28.275, 159.167

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 12.113, 164.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 28.275, 159.167 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(13, 76, 50)` looks like.

```
.text, #text, p{  
    color:rgb(13, 76, 50)  
}
```

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(13, 76, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 76, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 28.275, 159.167 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(13, 76, 50) }
```

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

```
.border{ border-color:rgb(13, 76, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 76, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 76, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 76, 50);  
box-shadow:4px 4px 4px 4px rgb(13, 76, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 28.275, 159.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 76, 50) }
```

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

```
.background{ background-color: rgb(13, 76,  
50) }
```

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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