

Converting Colors

CIELCh(31, 15.455, 169.729)

Have a look what the booklet for
CIELCh(31, 15.455, 169.729)
contains.

CIELCh(31, 15.280, 169.811)	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(31, 15.280, 169.811)

Conversions

Conversions Part 1

Format	Color
Hex	2E4F44
RGB	46, 79, 68
RGB Percent	18%, 31%, 27%
CMY	0.8183, 0.6888, 0.7320
CMYK	0.42, 0.00, 0.14, 0.69
HSL	160°, 26%, 25%
HSV	160°, 42%, 31%
XYZ	5.0160, 6.6515, 6.5415
YIQ	67.8790, -16.1370, -10.4170

Conversions

Conversions Part 2

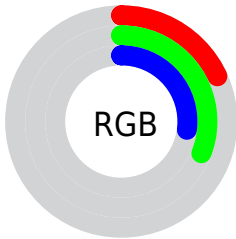
Format	Color
RYB	46, 66, 79
Decimal	3034948
CIELab	31.00, -15.04, 2.70
CIElCh	31, 15.280, 169.811
Yxy	6.6515, 0.2755, 0.3653
Android (android.graphics.Color)	4281225028 (0xFF2E4F44)
YUV	67.8790, 0.0597, -19.1879
Hunter-Lab	25.7905, -10.4167, 3.0150

Details

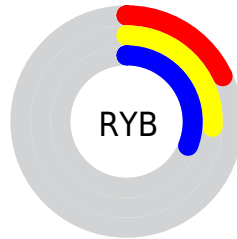
The CIELCh color **31, 15.280, 169.811** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 16.867, 358.058**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 14.975, 169.936**, and **11, 15.253, 170.126** is the 20% darker color. If you saturate the color by 10%, you get **31, 18.561, 168.657**, and if you desaturate by 10%, it is **32, 11.794, 170.865**.

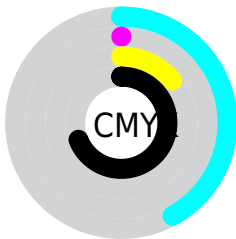
Distribution



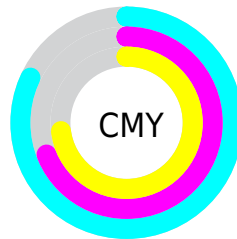
- Red (18%)
- Green (31%)
- Blue (27%)



- Red (18%)
- Yellow (26%)
- Blue (31%)



- Cyan (42%)
- Magenta (0%)
- Yellow (14%)
- Black (69%)





- Cyan (82%)
- Magenta (69%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 15.280, 169.811 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 31, 15.280, 169.811 by changing the saturation by 10% instead.


 31, 15.280,
169.811


 31, 15.280,
169.811

 100, 15.280,
169.811


 21, 15.280,
169.811

 51, 15.280,
169.811


 11, 15.280,
169.811


 61, 15.280,
169.811

 1, 15.280, 169.811

 71, 15.280,
169.811

 0, 15.280, 169.811

 81, 15.280,
169.811

 91, 15.280,
169.811

■ 31, 15.280,
169.811

■ 31, 15.280,
169.811

■ 31, 18.561,
168.657

■ 32, 11.794,
170.865

■ 30, 21.585,
167.387

■ 32, 8.155, 171.840

■ 30, 24.306,
165.983

■ 33, 4.412, 172.762

■ 30, 26.691,
164.425

■ 34, 0.610, 173.937

■ 29, 28.762,
162.740

■ 34, 3.214, 354.255

■ 29, 30.486,
161.461

■ 35, 7.028, 355.039

■ 36, 10.811,
355.757

■ 37, 14.542,
356.435

■ 38, 18.210,
357.082

Harmonies

Complementary

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



31, 15.280, 169.811



24, 16.867, 358.058

Rectangle

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



31, 15.280, 169.811



31, 15.280, 219.811



31, 15.280, 349.811



31, 15.280, 39.811

Sweetspot

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



31, 15.280, 169.809



42, 5.613, 172.688



31, 22.832, 132.338



21, 3.676, 172.642



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 15.280, 169.809



39, 22.130, 168.642



30, 11.032, 214.792



16, 2.178, 173.023



39, 37.442, 160.574



82, 69.001, 158.936

Inverse Universe

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



24, 16.867, 358.058



28, 25.009, 359.625



25, 14.550, 34.753



15, 2.223, 354.345



20, 44.361, 14.777



49, 80.783, 18.926

Previews

White Background



This preview shows how the CIELCh color 31, 15.280, 169.811 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 31, 15.280, 169.811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

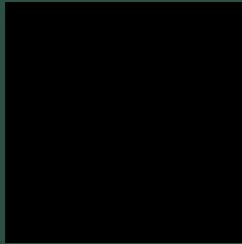
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 15.280, 169.811

Background



This preview shows how black text looks on a background with the CIELCh color 31, 15.280, 169.811.



This preview shows how white text looks on a background with the CIELCh color 31, 15.280, 169.811.

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

31, 15.280, 169.811

Protanopia

31, 4.801, 86.955

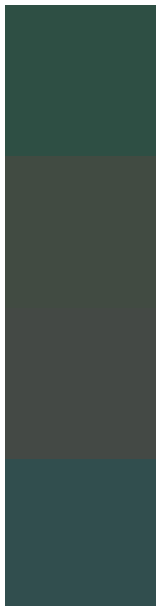
Deuteranopia

31, 4.962, 20.162



Tritanopia
31, 10.815, 218.911

Trichromacy



Original Color
31, 15.280, 169.811

Protanomaly
31, 7.273, 146.543

Deuteranomaly
30, 3.388, 150.184

Tritanomaly
31, 11.316, 197.772

Monochromacy



Original Color
31, 15.280, 169.811

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 5.827, 172.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 15.280, 169.811 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(46, 79, 68)` looks like.

```
.text, #text, p{  
    color:rgb(46, 79, 68)  
}
```

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(46, 79, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 79, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 15.280, 169.811 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(46, 79, 68) }
```

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

```
.border{ border-color:rgb(46, 79, 68) }
```

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

Here you see how a box with a 4 pixel rgb(46, 79, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 79, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 79, 68);  
box-shadow:4px 4px 4px 4px rgb(46, 79, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 15.280, 169.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 79, 68) }
```

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

```
.background{ background-color: rgb(46, 79,  
68) }
```

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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