

Converting Colors

CIELCh(31, 15.618, 177.322)

Have a look what the booklet for
CIELCh(31, 15.618, 177.322)
contains.

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Color

CIELCh(31, 15.804, 175.773)

Conversions

Conversions Part 1

Format	Color
Hex	2B5047
RGB	43, 80, 71
RGB Percent	17%, 31%, 28%
CMY	0.8325, 0.6875, 0.7227
CMYK	0.46, 0.00, 0.11, 0.69
HSL	165°, 30%, 24%
HSV	165°, 46%, 31%
XYZ	4.9583, 6.6515, 6.9345
YIQ	67.9110, -19.1630, -10.6430

Conversions

Conversions Part 2

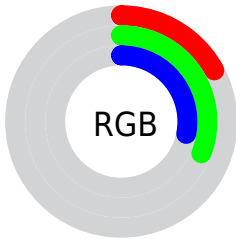
Format	Color
RYB	43, 64, 80
Decimal	2838599
CIELab	31.00, -15.76, 1.16
CIELCh	31, 15.804, 175.773
Yxy	6.6515, 0.2674, 0.3587
Android (android.graphics.Color)	4281028679 (0xFF2B5047)
YUV	67.9110, 1.5229, -21.8469
Hunter-Lab	25.7905, -10.8161, 2.1116

Details

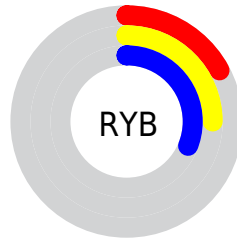
The CIELCh color **31, 15.804, 175.773** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 18.475, 5.355**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 15.636, 175.824**, and **11, 15.008, 175.809** is the 20% darker color. If you saturate the color by 10%, you get **31, 18.654, 174.652**, and if you desaturate by 10%, it is **31, 12.698, 176.807**.

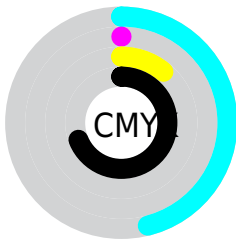
Distribution



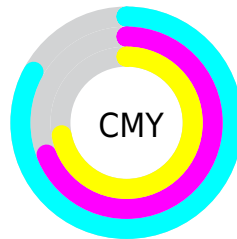
- Red (17%)
- Green (31%)
- Blue (28%)



- Red (17%)
- Yellow (25%)
- Blue (31%)



- Cyan (46%)
- Magenta (0%)
- Yellow (11%)
- Black (69%)





- Cyan (83%)
- Magenta (69%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 15.804, 175.773 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, 15.804, 175.773 by changing the saturation by 10% instead.


 31, 15.804,
175.773


 31, 15.804,
175.773

 100, 15.804,
175.773


 21, 15.804,
175.773

 51, 15.804,
175.773


 11, 15.804,
175.773


 61, 15.804,
175.773

 1, 15.804, 175.773

 71, 15.804,
175.773

 0, 15.804, 175.773

 81, 15.804,
175.773

 91, 15.804,
175.773

■ 31, 15.804,
175.773

■ 31, 15.804,
175.773

■ 31, 18.654,
174.652

■ 31, 12.698,
176.807

■ 30, 21.201,
173.431

■ 32, 9.384, 177.774

■ 33, 5.914, 178.691

■ 30, 23.409,
172.089

■ 33, 2.334, 179.609

■ 30, 25.259,
170.610

■ 34, 1.314, 0.115

■ 30, 26.916,
169.125

■ 35, 4.995, 1.033

■ 36, 8.681, 1.799

■ 29, 27.521,
168.640

■ 37, 12.347, 2.524

■ 38, 15.978, 3.219

Harmonies

Complementary

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



31, 15.804, 175.773



22, 18.475, 5.355

Rectangle

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



31, 15.804, 175.773



31, 15.804, 225.773



31, 15.804, 355.773



31, 15.804, 45.773

Sweetspot

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



31, 15.804, 175.771



43, 6.325, 178.862



31, 26.272, 135.068



22, 4.395, 178.743



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



31, 15.804, 175.771



40, 23.048, 174.458



28, 11.676, 229.153



16, 2.069, 179.386



39, 33.570, 167.861



82, 61.452, 166.384

Inverse Universe

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



22, 18.475, 5.355



27, 28.056, 7.536



25, 15.635, 44.272



15, 2.127, 0.695



20, 45.944, 22.725



49, 84.785, 26.953

Previews

White Background



This preview shows how the CIELCh color 31, 15.804, 175.773 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, 15.804, 175.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

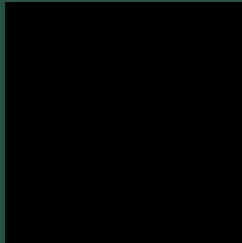
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 15.804, 175.773

Background



This preview shows how black text looks on a background with the CIELCh color 31, 15.804, 175.773.



This preview shows how white text looks on a background with the CIELCh color 31, 15.804, 175.773.

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, 15.804, 175.773

Protanopia

31, 3.446, 86.404

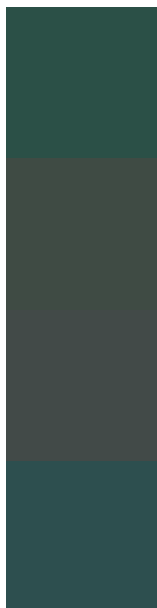
Deuteranopia

31, 4.840, 357.002



Tritanopia
31, 12.015, 216.564

Trichromacy



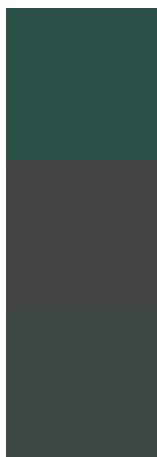
Original Color
31, 15.804, 175.773

Protanomaly
31, 6.924, 158.295

Deuteranomaly
31, 3.697, 178.697

Tritanomaly
31, 12.930, 197.556

Monochromacy



Original Color
31, 15.804, 175.773

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 5.927, 179.487

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 15.804, 175.773 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(43, 80, 71)` looks like.

```
.text, #text, p{  
    color:rgb(43, 80, 71)  
}
```

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(43, 80, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 80, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 15.804, 175.773 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(43, 80, 71) }
```

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

```
.border{ border-color:rgb(43, 80, 71) }
```

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

Here you see how a box with a 4 pixel rgb(43, 80, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 80, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 80, 71);  
box-shadow:4px 4px 4px 4px rgb(43, 80, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 15.804, 175.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 80, 71) }
```

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

```
.background{ background-color: rgb(43, 80,  
71) }
```

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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