

Converting Colors

CIELCh(31, 18.422, 155.161)

Have a look what the booklet for
CIELCh(31, 18.422, 155.161)
contains.

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Color

CIELCh(31, 18.726, 154.247)

Conversions

Conversions Part 1

Format	Color
Hex	30503C
RGB	48, 80, 60
RGB Percent	19%, 31%, 24%
CMY	0.8126, 0.6872, 0.7655
CMYK	0.40, 0.00, 0.25, 0.69
HSL	143°, 25%, 25%
HSV	143°, 40%, 31%
XYZ	4.8709, 6.6515, 5.2725
YIQ	68.1520, -12.6520, -13.0040

Conversions

Conversions Part 2

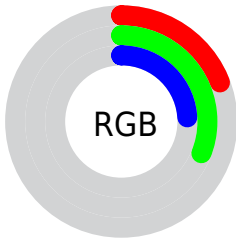
Format	Color
R_{YB}	48, 71, 80
Decimal	3166268
CIE _{Lab}	31.00, -16.87, 8.14
CIE _{LCh}	31, 18.726, 154.247
Yxy	6.6515, 0.2900, 0.3960
Android (android.graphics.Color)	4281356348 (0xFF30503C)
YUV	68.1520, -4.0189, -17.6733
Hunter-Lab	25.7905, -11.4214, 5.9323

Details

The CIELCh color **31, 18.726, 154.247** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 19.113, 340.480**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 18.446, 153.709**, and **11, 18.409, 154.338** is the 20% darker color. If you saturate the color by 10%, you get **30, 23.169, 153.157**, and if you desaturate by 10%, it is **32, 14.132, 155.211**.

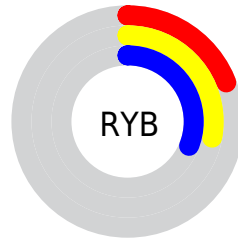
Distribution



Red (19%)

Green (31%)

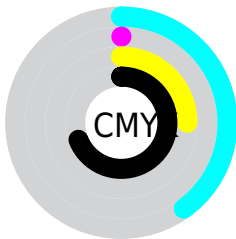
Blue (24%)



Red (19%)

Yellow (28%)

Blue (31%)

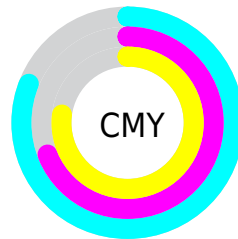


Cyan (40%)

Magenta (0%)

Yellow (25%)

Black (69%)



Cyan (81%)


Magenta (69%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 18.726, 154.247 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, 18.726, 154.247 by changing the saturation by 10% instead.


 31, 18.726,
154.247


 31, 18.726,
154.247

 100, 18.726,
154.247


 21, 18.726,
154.247

 51, 18.726,
154.247


 11, 18.726,
154.247


 61, 18.726,
154.247

 1, 18.726, 154.247

 71, 18.726,
154.247

 0, 18.726, 154.247

 81, 18.726,
154.247

 91, 18.726,
154.247

■ 31, 18.726,
154.247

■ 31, 18.726,
154.247

■ 30, 23.169,
153.157

■ 32, 14.132,
155.211

■ 30, 27.391,
151.926

■ 32, 9.451, 156.069

■ 33, 4.740, 156.848

■ 30, 31.322,
150.538

■ 34, 0.045, 161.666

■ 29, 34.903,
148.985

■ 35, 4.597, 338.058

■ 36, 9.158, 338.633

■ 29, 38.101,
147.287

■ 37, 13.619,
339.146

■ 29, 41.117,
145.820

■ 38, 17.966,
339.614

■ 39, 22.193,
340.044

Harmonies

Complementary

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



31, 18.726, 154.247



24, 19.113, 340.480

Rectangle

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



31, 18.726, 154.247



31, 18.726, 204.247



31, 18.726, 334.247



31, 18.726, 24.247

Sweetspot

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



31, 18.727, 154.247



43, 7.045, 156.671



32, 20.557, 122.365



22, 4.712, 156.625



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, 18.727, 154.247



40, 27.768, 153.197



31, 12.963, 185.377



16, 2.670, 156.950



38, 50.548, 144.947



81, 93.899, 143.359

Inverse Universe

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



24, 19.113, 340.480



30, 28.370, 341.371



24, 15.636, 12.649



15, 2.687, 338.031



21, 46.373, 349.213



51, 82.110, 351.252

Previews

White Background



This preview shows how the CIELCh color 31, 18.726, 154.247 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 31, 18.726, 154.247 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, 18.726, 154.247

Background



This preview shows how black text looks on a background with the CIELCh color 31, 18.726, 154.247.



This preview shows how white text looks on a background with the CIELCh color 31, 18.726, 154.247.

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

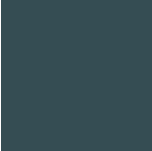
31, 18.726, 154.247

Protanopia

31, 11.007, 95.684

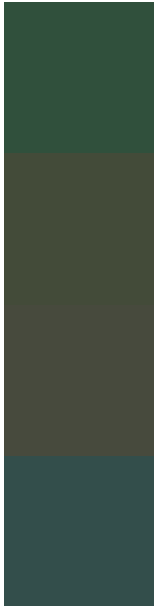
Deuteranopia

31, 8.359, 57.319



Tritanopia
31, 9.882, 221.098

Trichromacy



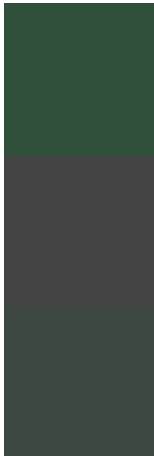
Original Color
31, 18.726, 154.247

Protanomaly
31, 11.967, 126.076

Deuteranomaly
31, 8.347, 118.161

Tritanomaly
31, 11.044, 187.758

Monochromacy



Original Color
31, 18.726, 154.247

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 6.649, 155.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 18.726, 154.247 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(48, 80, 60)` looks like.

```
.text, #text, p{  
    color:rgb(48, 80, 60)  
}
```

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(48, 80, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 80, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 18.726, 154.247 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(48, 80, 60) }
```

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

```
.border{ border-color:rgb(48, 80, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 80, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 80, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 80, 60);  
box-shadow:4px 4px 4px 4px rgb(48, 80, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 18.726, 154.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 80, 60) }
```

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

```
.background{ background-color: rgb(48, 80,  
60) }
```

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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