

Converting Colors

CIELCh(31, 19.674, 153.514)

Have a look what the booklet for
CIELCh(31, 19.674, 153.514)
contains.

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Color

CIELCh(31, 19.467, 153.636)

Conversions

Conversions Part 1

Format	Color
Hex	2F503B
RGB	47, 80, 59
RGB Percent	18%, 31%, 23%
CMY	0.8158, 0.6864, 0.7687
CMYK	0.41, 0.00, 0.26, 0.69
HSL	142°, 26%, 25%
HSV	142°, 41%, 31%
XYZ	4.8257, 6.6515, 5.1630
YIQ	67.7390, -12.9270, -13.5270

Conversions

Conversions Part 2

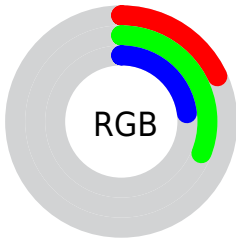
Format	Color
R_{YB}	47, 71, 80
Decimal	3100731
CIE _{Lab}	31.00, -17.44, 8.64
CIE _{LCh}	31, 19.467, 153.636
Y _{xy}	6.6515, 0.2900, 0.3997
Android (android.graphics.Color)	4281290811 (0xFF2F503B)
YUV	67.7390, -4.3083, -18.1881
Hunter-Lab	25.7905, -11.7342, 6.1841

Details

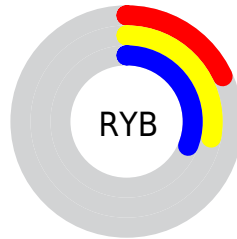
The CIELCh color **31, 19.467, 153.636** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 19.842, 340.019**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 19.145, 153.240**, and **11, 19.365, 154.313** is the 20% darker color. If you saturate the color by 10%, you get **30, 23.942, 152.535**, and if you desaturate by 10%, it is **32, 14.834, 154.608**.

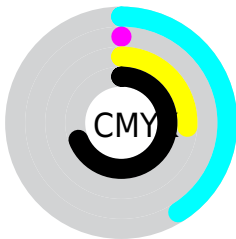
Distribution



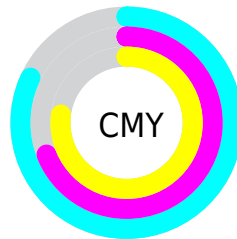
- Red (18%)
- Green (31%)
- Blue (23%)



- Red (18%)
- Yellow (28%)
- Blue (31%)



- Cyan (41%)
- Magenta (0%)
- Yellow (26%)
- Black (69%)





- Cyan (82%)
- Magenta (69%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 19.467, 153.636 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, 19.467, 153.636 by changing the saturation by 10% instead.


 31, 19.467,
153.636


 31, 19.467,
153.636

 100, 19.467,
153.636


 21, 19.467,
153.636

 51, 19.467,
153.636


 11, 19.467,
153.636


 61, 19.467,
153.636

 1, 19.467, 153.636

 71, 19.467,
153.636

 0, 19.467, 153.636

 81, 19.467,
153.636

 91, 19.467,
153.636

■ 31, 19.467,
153.636

■ 31, 19.467,
153.636

■ 30, 23.942,
152.535

■ 32, 14.834,
154.608

■ 30, 28.185,
151.291

■ 32, 10.106,
155.473

■ 30, 32.128,
149.888

■ 33, 5.344, 156.252

■ 29, 35.709,
148.322

■ 34, 0.595, 157.211

■ 35, 4.103, 337.465

■ 29, 38.909,
146.635

■ 36, 8.720, 338.043

■ 29, 41.591,
145.368

■ 37, 13.236,
338.553

■ 38, 17.638,
339.018

■ 39, 21.918,

Harmonies

Complementary

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



31, 19.467, 153.636



24, 19.842, 340.019

Rectangle

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



31, 19.467, 153.636



31, 19.467, 203.636



31, 19.467, 333.636



31, 19.467, 23.636

Sweetspot

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



31, 19.468, 153.636



43, 7.106, 156.164



32, 21.103, 121.651



22, 4.753, 156.118



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, 19.468, 153.636



40, 29.122, 152.471



31, 13.442, 183.840



16, 2.692, 156.441



38, 51.037, 144.510



81, 94.793, 142.937

Inverse Universe

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



24, 19.842, 340.019



30, 29.683, 340.986



24, 16.170, 11.555



15, 2.710, 337.510



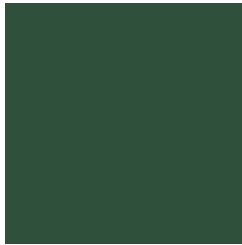
21, 46.653, 348.335



51, 82.592, 350.279

Previews

White Background



This preview shows how the CIELCh color 31, 19.467, 153.636 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, 19.467, 153.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

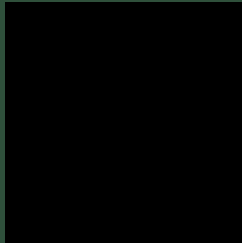
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 19.467, 153.636

Background



This preview shows how black text looks on a background with the CIELCh color 31, 19.467, 153.636.



This preview shows how white text looks on a background with the CIELCh color 31, 19.467, 153.636.

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, 19.467, 153.636

Protanopia

31, 11.007, 95.684

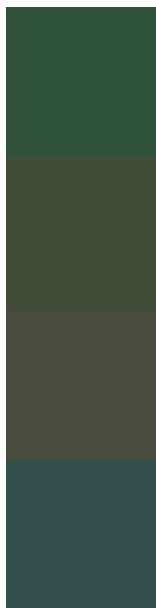
Deuteranopia

31, 8.790, 60.372



Tritanopia
31, 10.195, 220.318

Trichromacy



Original Color
31, 19.467, 153.636

Protanomaly
31, 12.688, 127.096

Deuteranomaly
31, 8.968, 117.418

Tritanomaly
31, 11.591, 184.921

Monochromacy



Original Color
31, 19.467, 153.636

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 6.972, 158.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 19.467, 153.636 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(47, 80, 59)` looks like.

```
.text, #text, p{  
    color:rgb(47, 80, 59)  
}
```

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(47, 80, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 80, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 19.467, 153.636 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(47, 80, 59) }
```

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

```
.border{ border-color:rgb(47, 80, 59) }
```

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

Here you see how a box with a 4 pixel rgb(47, 80, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 80, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 80, 59);  
box-shadow:4px 4px 4px 4px rgb(47, 80, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 19.467, 153.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 80, 59) }
```

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

```
.background{ background-color: rgb(47, 80,  
59) }
```

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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