

Converting Colors

CIELCh(31, 18.695, 168.165)

Have a look what the booklet for
CIELCh(31, 18.695, 168.165)
contains.

CIELCh(31, 19.063, 166.639)	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, 19.063, 166.639)

Conversions

Conversions Part 1

Format	Color
Hex	285142
RGB	40, 81, 66
RGB Percent	16%, 32%, 26%
CMY	0.8448, 0.6840, 0.7428
CMYK	0.51, 0.00, 0.19, 0.68
HSL	158°, 34%, 24%
HSV	158°, 51%, 32%
XYZ	4.7398, 6.6515, 6.1243
YIQ	67.0310, -19.6210, -13.3570

Conversions

Conversions Part 2

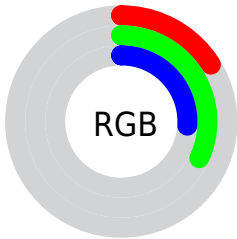
Format	Color
RYB	40, 65, 81
Decimal	2642242
CIELab	31.00, -18.55, 4.41
CIELCh	31, 19.063, 166.639
Yxy	6.6515, 0.2706, 0.3797
Android (android.graphics.Color)	4280832322 (0xFF285142)
YUV	67.0310, -0.5083, -23.7062
Hunter-Lab	25.7905, -12.3286, 3.9742




Details

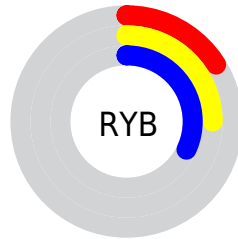
The CIELCh color **31, 19.063, 166.639** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 21.172, 357.256**, and the grayscale version is **28, 0.004, 296.813**.




A 20% lighter version of the original color is **51, 19.315, 166.588**, and **11, 17.869, 163.469** is the 20% darker color. If you saturate the color by 10%, you get **31, 22.266, 165.356**, and if you desaturate by 10%, it is **31, 15.610, 167.798**.

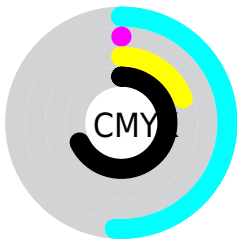
Distribution







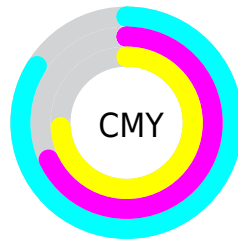
-  Red (16%)
-  Green (32%)
-  Blue (26%)






-  Red (16%)
-  Yellow (25%)
-  Blue (32%)



-  Cyan (51%)
-  Magenta (0%)
-  Yellow (19%)
-  Black (68%)





-  Cyan (84%)
-  Magenta (68%)
-  Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 19.063, 166.639 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, 19.063, 166.639 by changing the saturation by 10% instead.


 31, 19.063,
166.639


 31, 19.063,
166.639

 100, 19.063,
166.639


 21, 19.063,
166.639

 51, 19.063,
166.639


 11, 19.063,
166.639


 61, 19.063,
166.639

 1, 19.063, 166.639

 71, 19.063,
166.639

 0, 19.063, 166.639

 81, 19.063,
166.639

 91, 19.063,
166.639

■ 31, 19.063,
166.639

■ 31, 19.063,
166.639

■ 31, 22.266,
165.356

■ 31, 15.610,
167.798

■ 30, 25.170,
163.934

■ 32, 11.959,
168.855

■ 30, 27.737,
162.353

■ 33, 8.165, 169.828

■ 30, 29.974,
160.627

■ 33, 4.280, 170.744

■ 34, 0.347, 172.198

■ 30, 31.973,
159.196

■ 35, 3.596, 352.224

■ 36, 7.520, 352.986

■ 37, 11.400,
353.686

■ 38, 15.220,
354.345

Harmonies

Complementary

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



31, 19.063, 166.639



22, 21.172, 357.256

Rectangle

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



31, 19.063, 166.639



31, 19.063, 216.639



31, 19.063, 346.639



31, 19.063, 36.639

Sweetspot

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



31, 19.063, 166.638



43, 7.299, 170.323



31, 27.950, 131.381



21, 5.017, 170.212



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, 19.063, 166.638



40, 27.498, 165.048



30, 13.259, 213.101



16, 2.222, 170.941



39, 38.866, 158.345



82, 71.761, 156.677

Inverse Universe

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



22, 21.172, 357.256



26, 31.143, 359.475



23, 18.872, 33.986



15, 2.263, 352.251



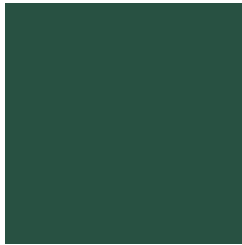
21, 44.051, 11.861



49, 79.831, 15.887

Previews

White Background



This preview shows how the CIELCh color 31, 19.063, 166.639 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, 19.063, 166.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

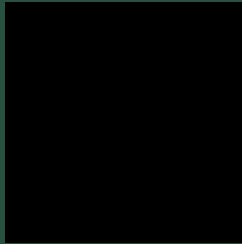
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 19.063, 166.639

Background



This preview shows how black text looks on a background with the CIELCh color 31, 19.063, 166.639.



This preview shows how white text looks on a background with the CIELCh color 31, 19.063, 166.639.

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

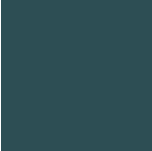
31, 19.063, 166.639

Protanopia

31, 7.206, 93.961

Deuteranopia

31, 5.624, 33.198



Tritanopia
31, 12.596, 215.601

Trichromacy



Original Color
31, 19.063, 166.639

Protanomaly
31, 10.126, 143.501

Deuteranomaly
31, 5.455, 143.970

Tritanomaly
31, 13.810, 192.069

Monochromacy



Original Color
31, 19.063, 166.639

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 7.603, 167.715

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 19.063, 166.639 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(40, 81, 66)` looks like.

```
.text, #text, p{  
    color:rgb(40, 81, 66)  
}
```

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(40, 81, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 81, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 19.063, 166.639 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(40, 81, 66) }
```

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

```
.border{ border-color:rgb(40, 81, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 81, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 81, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 81, 66);  
box-shadow:4px 4px 4px 4px rgb(40, 81, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 19.063, 166.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 81, 66) }
```

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

```
.background{ background-color: rgb(40, 81,  
66) }
```

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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