

Converting Colors

CIELCh(31, 17.111, 157.817)

Have a look what the booklet for
CIELCh(31, 17.111, 157.817)
contains.

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Color

CIELCh(31, 17.111, 157.817)

Conversions

Conversions Part 1

Format	Color
Hex	304F3E
RGB	48, 79, 62
RGB Percent	19%, 31%, 24%
CMY	0.8100, 0.6884, 0.7551
CMYK	0.39, 0.00, 0.21, 0.69
HSL	147°, 24%, 25%
HSV	147°, 39%, 31%
XYZ	4.9517, 6.6515, 5.6446
YIQ	67.7930, -13.0190, -11.8590

Conversions

Conversions Part 2

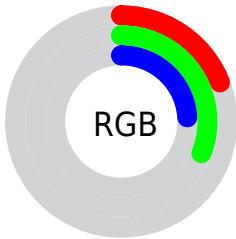
Format	Color
RYB	48, 69, 79
Decimal	3166014
CIELab	31.00, -15.84, 6.46
CIELCh	31, 17.111, 157.817
Yxy	6.6515, 0.2871, 0.3856
Android (android.graphics.Color)	4281356094 (0xFF304F3E)
YUV	67.7930, -2.8559, -17.3585
Hunter-Lab	25.7905, -10.8621, 5.0770

Details

The CIELCh color **31, 17.111, 157.817** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 17.679, 344.316**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 16.822, 159.123**, and **11, 16.684, 158.227** is the 20% darker color. If you saturate the color by 10%, you get **30, 21.263, 156.710**, and if you desaturate by 10%, it is **32, 12.811, 158.804**.

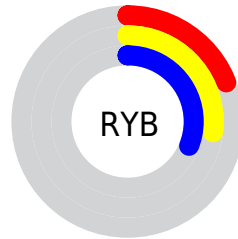
Distribution



 Red (19%)

 Green (31%)

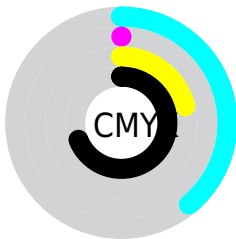
 Blue (24%)




 Red (19%)

 Yellow (27%)

 Blue (31%)

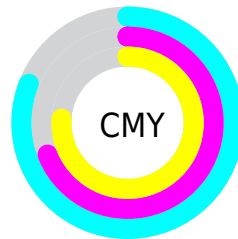


 Cyan (39%)


 Magenta (0%)

 Yellow (21%)

 Black (69%)



 Cyan (81%)


 Magenta (69%)


 Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 17.111, 157.817 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, 17.111, 157.817 by changing the saturation by 10% instead.


 31, 17.111,
157.817


 31, 17.111,
157.817

 100, 17.111,
157.817


 21, 17.111,
157.817

 51, 17.111,
157.817


 11, 17.111,
157.817


 61, 17.111,
157.817

 1, 17.111, 157.817

 71, 17.111,
157.817

 0, 17.111, 157.817

 81, 17.111,
157.817

 91, 17.111,
157.817

■ 31, 17.111,
157.817

■ 31, 17.111,
157.817

■ 30, 21.263,
156.710

■ 32, 12.811,
158.804

■ 30, 25.201,
155.466

■ 32, 8.420, 159.692

■ 30, 28.866,
154.067

■ 33, 3.992, 160.511

■ 34, 0.430, 340.713

■ 29, 32.203,
152.500

■ 35, 4.811, 341.792

■ 29, 35.183,
150.767

■ 36, 9.123, 342.413

■ 37, 13.348,
342.975

■ 29, 38.030,
149.187

■ 38, 17.473,
343.494

■ 29, 38.304,
149.051

■ 39, 21.490,
343.977

Harmonies

Complementary

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



31, 17.111, 157.817



24, 17.679, 344.316

Rectangle

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



31, 17.111, 157.817



31, 17.111, 207.817



31, 17.111, 337.817



31, 17.111, 27.817

Sweetspot

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



31, 17.112, 157.816



43, 6.659, 160.236



32, 20.339, 125.593



22, 4.453, 160.187



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, 17.112, 157.816



40, 25.579, 156.743



31, 12.156, 192.968



16, 2.524, 160.534



38, 47.215, 148.133



81, 87.709, 146.468

Inverse Universe

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



24, 17.679, 344.316



30, 26.556, 345.346



24, 15.192, 18.851



15, 2.548, 341.690



21, 44.861, 355.356



50, 79.664, 358.051

Previews

White Background



This preview shows how the CIELCh color 31, 17.111, 157.817 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, 17.111, 157.817 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, 17.111, 157.817

Background



This preview shows how black text looks on a background with the CIELCh color 31, 17.111, 157.817.

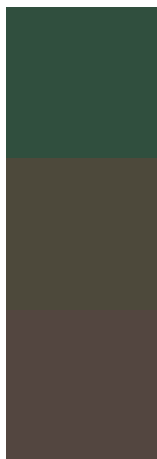


This preview shows how white text looks on a background with the CIELCh color 31, 17.111, 157.817.

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

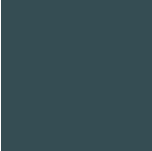
31, 17.111, 157.817

Protanopia

31, 9.055, 96.552

Deuteranopia

31, 7.177, 52.043



Tritanopia
31, 9.882, 221.098

Trichromacy



Original Color
31, 17.111, 157.817

Protanomaly
31, 10.189, 129.431

Deuteranomaly
30, 6.503, 121.106

Tritanomaly
31, 10.874, 191.042

Monochromacy



Original Color
31, 17.111, 157.817

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 6.211, 160.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 17.111, 157.817 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, 79, 62)` looks like.

```
.text, #text, p{  
    color:rgb(48, 79, 62)  
}
```

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, 79, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 79, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 17.111, 157.817 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, 79, 62) }
```

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

```
.border{ border-color:rgb(48, 79, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 79, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 79, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 79, 62);  
box-shadow:4px 4px 4px 4px rgb(48, 79, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 17.111, 157.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 79, 62) }
```

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

```
.background{ background-color: rgb(48, 79,  
62) }
```

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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