

Converting Colors

CIELCh(31, 13.899, 182.339)

Have a look what the booklet for
CIELCh(31, 13.899, 182.339)
contains.

CIELCh(31, 14.031, 181.452)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(31, 14.031, 181.452)

Conversions

Conversions Part 1

Format	Color
Hex	2D4F49
RGB	45, 79, 73
RGB Percent	18%, 31%, 29%
CMY	0.8231, 0.6897, 0.7133
CMYK	0.43, 0.00, 0.08, 0.69
HSL	169°, 27%, 24%
HSV	169°, 43%, 31%
XYZ	5.0977, 6.6515, 7.3381
YIQ	68.1500, -18.3380, -9.0740

Conversions

Conversions Part 2

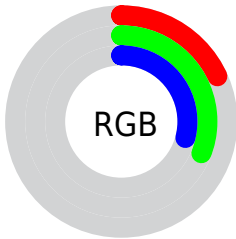
Format	Color
R_{YB}	45, 64, 79
Decimal	2969417
CIE Lab	31.00, -14.03, -0.36
CIE LCh	31, 14.031, 181.452
Yxy	6.6515, 0.2671, 0.3485
Android (android.graphics.Color)	4281159497 (0xFF2D4F49)
YUV	68.1500, 2.3911, -20.3025
Hunter-Lab	25.7905, -9.8514, 1.1837

Details

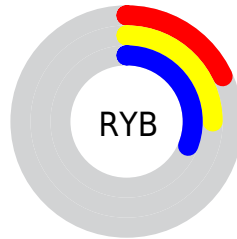
The CIELCh color **31, 14.031, 181.452** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **23, 16.772, 9.792**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 13.930, 180.843**, and **11, 13.690, 183.620** is the 20% darker color. If you saturate the color by 10%, you get **31, 16.750, 180.480**, and if you desaturate by 10%, it is **32, 11.054, 182.364**.

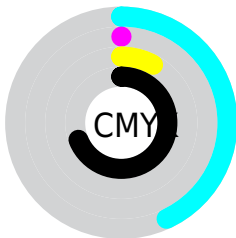
Distribution



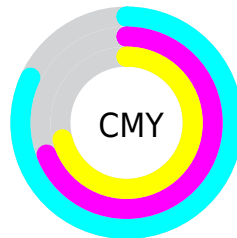
- Red (18%)
- Green (31%)
- Blue (29%)



- Red (18%)
- Yellow (25%)
- Blue (31%)



- Cyan (43%)
- Magenta (0%)
- Yellow (8%)
- Black (69%)





- Cyan (82%)
- Magenta (69%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 14.031, 181.452 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, 14.031, 181.452 by changing the saturation by 10% instead.


 31, 14.031,
181.452


 31, 14.031,
181.452

 100, 14.031,
181.452


 21, 14.031,
181.452

 51, 14.031,
181.452


 11, 14.031,
181.452


 61, 14.031,
181.452

 1, 14.031, 181.452

 71, 14.031,
181.452

 0, 14.031, 181.452

 81, 14.031,
181.452

 91, 14.031,
181.452

■ 31, 14.031,
181.452

■ 31, 14.031,
181.452

■ 31, 16.750,
180.480

■ 32, 11.054,
182.364

■ 30, 19.164,
179.441

■ 32, 7.866, 183.237

■ 33, 4.516, 184.087

■ 30, 21.237,
178.317

■ 33, 1.048, 185.076

■ 30, 22.948,
177.090

■ 34, 2.497, 5.484

■ 30, 24.357,
175.789

■ 35, 6.086, 6.290

■ 36, 9.691, 7.030

■ 29, 25.346,
174.947

■ 37, 13.288, 7.741

■ 38, 16.862, 8.429

Harmonies

Complementary

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



31, 14.031, 181.452



23, 16.772, 9.792

Rectangle

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



31, 14.031, 181.452



31, 14.031, 231.452



31, 14.031, 1.452



31, 14.031, 51.452

Sweetspot

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



31, 14.031, 181.450



42, 5.577, 184.047



31, 24.737, 137.095



20, 3.846, 183.935



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 14.031, 181.450



39, 20.224, 180.396



28, 10.958, 238.289



16, 2.006, 184.454



39, 30.982, 174.271



83, 56.379, 173.013

Inverse Universe

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



23, 16.772, 9.792



28, 25.400, 11.717



26, 13.870, 51.146



15, 2.074, 5.695



20, 47.646, 27.950



49, 88.590, 31.988

Previews

White Background



This preview shows how the CIELCh color 31, 14.031, 181.452 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, 14.031, 181.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

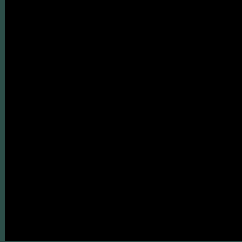
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 14.031, 181.452

Background



This preview shows how black text looks on a background with the CIELCh color 31, 14.031, 181.452.



This preview shows how white text looks on a background with the CIELCh color 31, 14.031, 181.452.

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, 14.031, 181.452

Protanopia

31, 2.323, 74.471

Deuteranopia

31, 5.092, 341.555



Tritanopia
31, 11.719, 217.091

Trichromacy



Original Color
31, 14.031, 181.452

Protanomaly
31, 5.771, 165.053

Deuteranomaly
31, 2.632, 213.187

Tritanomaly
31, 11.856, 203.957

Monochromacy



Original Color
31, 14.031, 181.452

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 5.311, 184.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 14.031, 181.452 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(45, 79, 73)` looks like.

```
.text, #text, p{  
    color:rgb(45, 79, 73)  
}
```

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(45, 79, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 79, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 14.031, 181.452 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(45, 79, 73) }
```

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

```
.border{ border-color:rgb(45, 79, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 79, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 79, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 79, 73);  
box-shadow:4px 4px 4px 4px rgb(45, 79, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 14.031, 181.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 79, 73) }
```

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

```
.background{ background-color: rgb(45, 79,  
73) }
```

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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