

Converting Colors

CIELCh(31, 24.398, 183.017)

Have a look what the booklet for
CIELCh(31, 24.398, 183.017)
contains.

CIELCh(31, 24.339, 182.297)	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, 24.339, 182.297)

Conversions

Conversions Part 1

Format	Color
Hex	00534A
RGB	0, 83, 74
RGB Percent	0%, 33%, 29%
CMY	1.0000, 0.6752, 0.7104
CMYK	1.00, 0.00, 0.11, 0.68
HSL	173°, 100%, 16%
HSV	173°, 100%, 32%
XYZ	4.3076, 6.6515, 7.5071
YIQ	57.1570, -46.5790, -20.3950

Conversions

Conversions Part 2

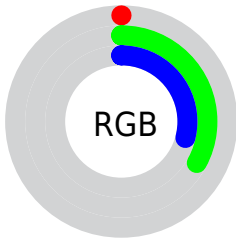
Format	Color
RYB	0, 44, 83
Decimal	21322
CIELab	31.00, -24.32, -0.98
CIELCh	31, 24.339, 182.297
Yxy	6.6515, 0.2333, 0.3602
Android (android.graphics.Color)	4278211402 (0xFF00534A)
YUV	57.1570, 8.3036, -50.1267
Hunter-Lab	25.7905, -15.3195, 0.7953

Details

The CIELCh color **31, 24.339, 182.297** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **15, 40.532, 28.325**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 24.173, 182.915**, and **12, 15.398, 176.500** is the 20% darker color. If you saturate the color by 10%, you get **31, 24.309, 182.283**, and if you desaturate by 10%, it is **31, 23.160, 183.218**.

Distribution



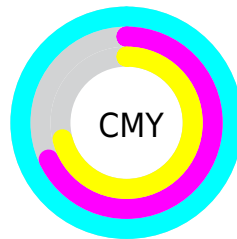
- Red (0%)
- Green (33%)
- Blue (29%)



- Red (0%)
- Yellow (17%)
- Blue (33%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (68%)





- Cyan (100%)
- Magenta (68%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 24.339, 182.297 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, 24.339, 182.297 by changing the saturation by 10% instead.


 31, 24.339,
182.297


 31, 24.339,
182.297

 100, 24.339,
182.297


 21, 24.339,
182.297

 51, 24.339,
182.297


 11, 24.339,
182.297


 61, 24.339,
182.297

 1, 24.339, 182.297

 71, 24.339,
182.297

 0, 24.339, 182.297

 81, 24.339,
182.297

 91, 24.339,
182.297

■ 31, 24.339,
182.297

■ 31, 24.339,
182.297

■ 31, 24.309,
182.283

■ 31, 23.160,
183.218

■ 31, 21.914,
184.191

■ 32, 20.282,
185.099

■ 32, 18.263,
185.952

■ 32, 15.878,
186.763

■ 33, 13.165,
187.544

■ 33, 10.172,
188.304

■ 34, 6.947, 189.054

Harmonies

Complementary

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



31, 24.339, 182.297



15, 40.532, 28.325

Rectangle

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



31, 24.339, 182.297



31, 24.339, 232.297



31, 24.339, 2.297



31, 24.339, 52.297

Sweetspot

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



31, 24.309, 182.283



43, 12.542, 188.228



30, 52.038, 134.800



21, 8.401, 188.051



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, 24.309, 182.283



40, 29.181, 181.851



20, 23.716, 265.282



16, 1.958, 189.922



39, 28.679, 181.888



83, 51.853, 180.986

Inverse Universe

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



15, 40.532, 28.325



21, 50.277, 32.120



19, 36.208, 52.445



15, 2.038, 11.030



20, 49.283, 31.836



49, 92.582, 36.068

Previews

White Background



This preview shows how the CIELCh color 31, 24.339, 182.297 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, 24.339, 182.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

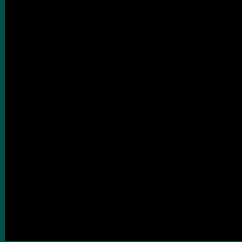
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 24.339, 182.297

Background



This preview shows how black text looks on a background with the CIELCh color 31, 24.339, 182.297.



This preview shows how white text looks on a background with the CIELCh color 31, 24.339, 182.297.

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, 24.339, 182.297

Protanopia
31, 3.438, 86.418

Deuteranopia
31, 4.747, 338.121



Tritanopia
31, 18.731, 208.844

Trichromacy



Original Color
31, 24.339, 182.297

Protanomaly
30, 12.718, 176.829

Deuteranomaly
30, 9.967, 197.929

Tritanomaly
31, 20.625, 196.564

Monochromacy



Original Color
31, 24.339, 182.297

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 12.171, 188.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 24.339, 182.297 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(0, 83, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 83, 74)  
}
```

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(0, 83, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 83, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 24.339, 182.297 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(0, 83, 74) }
```

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

```
.border{ border-color:rgb(0, 83, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 83, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 83, 74); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 83, 74); box-shadow:4px  
4px 4px 4px rgb(0, 83, 74) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 24.339, 182.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 83, 74) }
```

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

```
.background{ background-color: rgb(0, 83,  
74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor