

Converting Colors

CIELCh(18, 14.257, 196.047)

Have a look what the booklet for
CIELCh(18, 14.257, 196.047)
contains.

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Color

CIELCh(18, 14.526, 193.861)

Conversions

Conversions Part 1

Format	Color
Hex	083231
RGB	8, 50, 49
RGB Percent	3%, 20%, 19%
CMY	0.9704, 0.8053, 0.8092
CMYK	0.85, 0.00, 0.02, 0.81
HSL	179°, 74%, 11%
HSV	179°, 85%, 19%
XYZ	1.7667, 2.5180, 3.2596
YIQ	37.3280, -24.7110, -9.2150

Conversions

Conversions Part 2

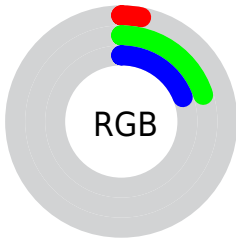
Format	Color
R_{YB}	8, 29, 50
Decimal	537137
CIE _{Lab}	18.00, -14.10, -3.48
CIE _{LCh}	18, 14.526, 193.861
Yxy	2.5180, 0.2342, 0.3338
Android (android.graphics.Color)	4278727217 (0xFF083231)
YUV	37.3280, 5.7543, -25.7207
Hunter-Lab	15.8683, -7.8959, -1.0711

Details

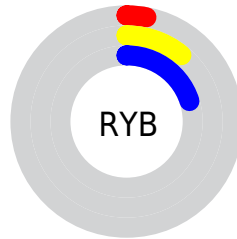
The CIELCh color **18, 14.526, 193.861** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 22.839, 21.788**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 14.651, 192.717**, and **0, 0.403, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **18, 15.526, 193.545**, and if you desaturate by 10%, it is **18, 13.526, 194.195**.

Distribution



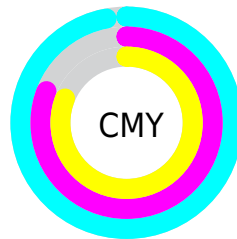
- Red (3%)
- Green (20%)
- Blue (19%)



- Red (3%)
- Yellow (11%)
- Blue (20%)



- Cyan (85%)
- Magenta (0%)
- Yellow (2%)
- Black (81%)





- Cyan (97%)
- Magenta (81%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 14.526, 193.861 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 18, 14.526, 193.861 by changing the saturation by 10% instead.

 18, 14.526,
193.861


 18, 14.526,
193.861


 100, 14.526,
193.861


 8, 14.526, 193.861


 38, 14.526,
193.861

 0, 14.526, 193.861

 48, 14.526,
193.861


 58, 14.526,
193.861


 68, 14.526,
193.861


 78, 14.526,
193.861


 88, 14.526,


193.861


 98, 14.526,
193.861


 18, 14.526,
193.861


 18, 14.526,
193.861

 18, 15.526,
193.545

 18, 13.526,
194.195

 18, 16.062,
193.387

 18, 12.322,
194.553

 19, 10.892,
194.937

 19, 9.253, 195.349

 19, 7.429, 195.787

 20, 5.443, 196.255

■ 20, 3.324, 196.758

■ 20, 1.096, 197.384

■ 21, 1.218, 17.536

Harmonies

Complementary

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



18, 14.526, 193.861



8, 22.839, 21.788

Rectangle

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



18, 14.526, 193.861



18, 14.526, 243.861



18, 14.526, 13.861



18, 14.526, 63.861

Sweetspot

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



18, 14.526, 193.860



26, 6.750, 196.183



17, 31.687, 138.641



12, 4.645, 196.147



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 14.526, 193.860



24, 18.867, 193.236



11, 15.564, 267.774



9, 1.288, 197.128



34, 23.693, 193.068



79, 45.151, 192.785

Inverse Universe

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



8, 22.839, 21.788



10, 33.172, 26.233



12, 18.005, 60.198



8, 1.341, 17.636



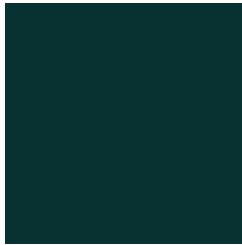
16, 44.524, 33.082



45, 91.504, 39.208

Previews

White Background



This preview shows how the CIELCh color 18, 14.526, 193.861 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 18, 14.526, 193.861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

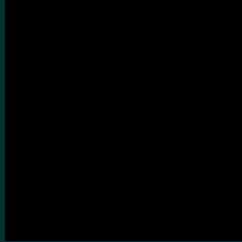
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 14.526, 193.861

Background



This preview shows how black text looks on a background with the CIELCh color 18, 14.526, 193.861.



This preview shows how white text looks on a background with the CIELCh color 18, 14.526, 193.861.

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

18, 14.526, 193.861

Protanopia

18, 0.844, 324.432

Deuteranopia

18, 5.049, 307.101



Tritanopia
18, 12.977, 209.470

Trichromacy



Original Color
18, 14.526, 193.861

Protanomaly
18, 6.552, 198.077

Deuteranomaly
18, 6.401, 231.456

Tritanomaly
18, 13.466, 202.817

Monochromacy



Original Color
18, 14.526, 193.861

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 7.107, 192.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 14.526, 193.861 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(8, 50, 49)` looks like.

```
.text, #text, p{  
    color:rgb(8, 50, 49)  
}
```

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(8, 50, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 50, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 14.526, 193.861 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(8, 50, 49) }
```

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

```
.border{ border-color:rgb(8, 50, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 50, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 50, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 50, 49); box-shadow:4px  
4px 4px 4px rgb(8, 50, 49) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 14.526, 193.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 50, 49) }
```

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

```
.background{ background-color: rgb(8, 50,  
49) }
```

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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