

Converting Colors

CIELCh(18, 18.726, 132.061)

Have a look what the booklet for
CIELCh(18, 18.726, 132.061)
contains.

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Color

CIELCh(18, 18.639, 131.752)

Conversions

Conversions Part 1

Format	Color
Hex	203017
RGB	32, 48, 23
RGB Percent	13%, 19%, 9%
CMY	0.8732, 0.8104, 0.9085
CMYK	0.33, 0.00, 0.52, 0.81
HSL	98°, 35%, 14%
HSV	98°, 52%, 19%
XYZ	1.8353, 2.5180, 1.2169
YIQ	40.3660, -1.5110, -11.1670

Conversions

Conversions Part 2

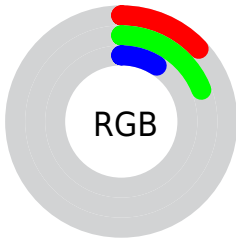
Format	Color
RYB	23, 48, 39
Decimal	2109463
CIELab	18.00, -12.41, 13.91
CIELCh	18, 18.639, 131.752
Yxy	2.5180, 0.3295, 0.4521
Android (android.graphics.Color)	4280299543 (0xFF203017)
YUV	40.3660, -8.5614, -7.3370
Hunter-Lab	15.8683, -7.1249, 6.5612

Details

The CIELCh color **18, 18.639, 131.752** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **11, 19.409, 315.651**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.649, 131.470**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 22.039, 131.349**, and if you desaturate by 10%, it is **18, 15.119, 132.179**.

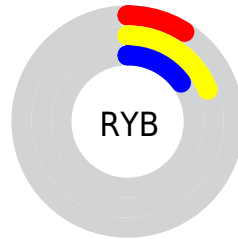
Distribution



 Red (13%)

 Green (19%)

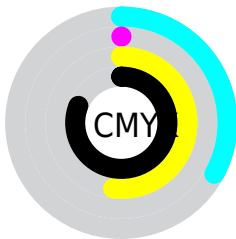
 Blue (9%)



 Red (9%)

 Yellow (19%)

 Blue (15%)

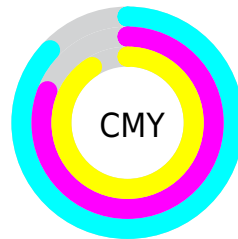


 Cyan (33%)

 Magenta (0%)

 Yellow (52%)

 Black (81%)



 Cyan (87%)

 Magenta (81%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 18.639, 131.752 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, 18.639, 131.752 by changing the saturation by 10% instead.

■ 18, 18.639,
131.752

■ 18, 18.639,
131.752

■ 100, 18.639,
131.752

■ 8, 18.639, 131.752

■ 38, 18.639,
131.752

■ 0, 18.639, 131.752

■ 48, 18.639,
131.752


■ 58, 18.639,
131.752


■ 68, 18.639,
131.752


■ 78, 18.639,
131.752


■ 88, 18.639,


131.752


 98, 18.639,
131.752


 18, 18.639,
131.752


 18, 18.639,
131.752

 18, 22.039,
131.349


 18, 15.119,
132.179

 17, 25.113,
131.276


 19, 11.525,
132.603

 17, 27.685,
131.690

 19, 7.895, 133.012

 17, 30.109,
132.088

 19, 4.258, 133.399

 17, 32.095,
132.301

 20, 0.633, 133.832

 20, 2.963, 314.037

■ 21, 6.518, 314.338

■ 21, 10.025,
314.603

■ 22, 13.477,
314.838

Harmonies

Complementary

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



18, 18.639, 131.752



11, 19.409, 315.651

Rectangle

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



18, 18.639, 131.752



18, 18.639, 181.752



18, 18.639, 311.752



18, 18.639, 1.752

Sweetspot

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



18, 18.640, 131.753



26, 7.317, 133.202



16, 12.154, 82.691



12, 4.994, 133.190



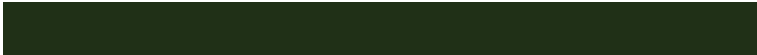
66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 18.640, 131.753



24, 27.781, 131.208



17, 18.983, 144.812



7, 1.778, 134.151



32, 51.143, 130.773



76, 99.844, 132.060

Inverse Universe

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



11, 19.409, 315.651



14, 29.224, 316.084



12, 18.956, 330.894



7, 1.773, 313.435



13, 54.919, 316.323



38, 106.292, 315.430

Previews

White Background



This preview shows how the CIELCh color 18, 18.639, 131.752 looks on a white background.

Color Contrast Check

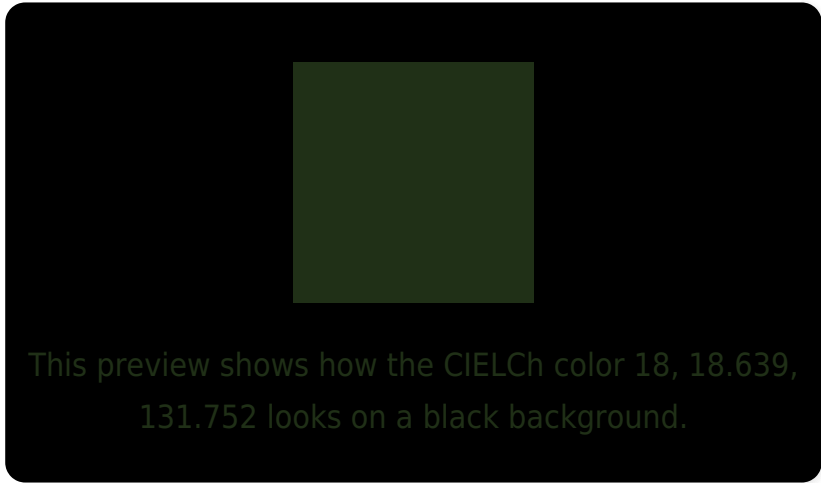
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

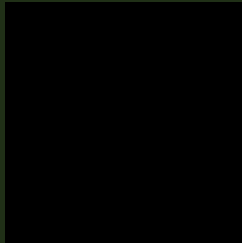
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 18.639, 131.752

Background



This preview shows how black text looks on a background with the CIELCh color 18, 18.639, 131.752.



This preview shows how white text looks on a background with the CIELCh color 18, 18.639, 131.752.

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

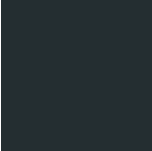
18, 18.639, 131.752

Protanopia

18, 15.134, 95.933

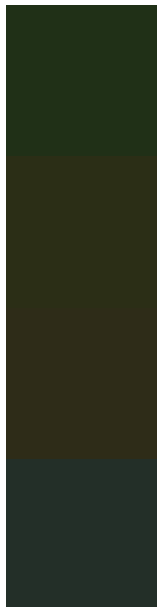
Deuteranopia

18, 13.481, 78.083



Tritanopia
18, 4.794, 224.332

Trichromacy



Original Color
18, 18.639, 131.752

Protanomaly
18, 16.144, 111.791

Deuteranomaly
18, 13.608, 102.114

Tritanomaly
18, 7.466, 157.690

Monochromacy



Original Color
18, 18.639, 131.752

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 6.902, 133.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 18.639, 131.752 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(32, 48, 23)` looks like.

```
.text, #text, p{  
    color:rgb(32, 48, 23)  
}
```

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(32, 48, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 48, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 18.639, 131.752 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(32, 48, 23) }
```

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

```
.border{ border-color:rgb(32, 48, 23) }
```

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

Here you see how a box with a 4 pixel rgb(32, 48, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 48, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 48, 23);  
box-shadow:4px 4px 4px 4px rgb(32, 48, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 18.639, 131.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 48, 23) }
```

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

```
.background{ background-color: rgb(32, 48,  
23) }
```

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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