

Converting Colors

CIELCh(18, 13.218, 191.595)

Have a look what the booklet for
CIELCh(18, 13.218, 191.595)
contains.

CIELCh(18, 13.251, 190.754)	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(18, 13.251, 190.754)

Conversions

Conversions Part 1

Format	Color
Hex	0E312F
RGB	14, 49, 47
RGB Percent	5%, 19%, 18%
CMY	0.9441, 0.8070, 0.8148
CMYK	0.71, 0.00, 0.04, 0.81
HSL	177°, 55%, 12%
HSV	177°, 71%, 19%
XYZ	1.8105, 2.5180, 3.1035
YIQ	38.3070, -20.2180, -8.0420

Conversions

Conversions Part 2

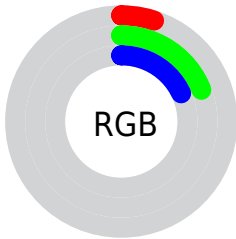
Format	Color
R_{YB}	14, 32, 49
Decimal	930095
CIE _{Lab}	18.00, -13.02, -2.47
CIE _{LCh}	18, 13.251, 190.754
Yxy	2.5180, 0.2436, 0.3388
Android (android.graphics.Color)	4279120175 (0xFF0E312F)
YUV	38.3070, 4.2856, -21.3172
Hunter-Lab	15.8683, -7.4036, -0.4879

Details

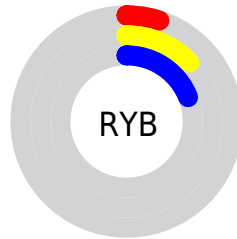
The CIELCh color **18, 13.251, 190.754** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 19.279, 21.110**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 13.068, 192.291**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 14.359, 190.211**, and if you desaturate by 10%, it is **18, 11.916, 191.290**.

Distribution



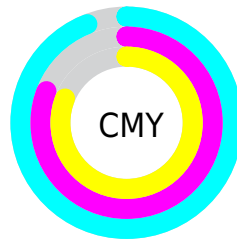
- Red (5%)
- Green (19%)
- Blue (18%)



- Red (5%)
- Yellow (13%)
- Blue (19%)



- Cyan (71%)
- Magenta (0%)
- Yellow (4%)
- Black (81%)





- Cyan (94%)
- Magenta (81%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 13.251, 190.754 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, 13.251, 190.754 by changing the saturation by 10% instead.

 18, 13.251,
190.754


 18, 13.251,
190.754


 100, 13.251,
190.754


 8, 13.251, 190.754


 38, 13.251,
190.754

 0, 13.251, 190.754

 48, 13.251,
190.754


 58, 13.251,
190.754


 68, 13.251,
190.754


 78, 13.251,
190.754


 88, 13.251,


190.754


 98, 13.251,
190.754


 18, 13.251,
190.754


 18, 13.251,
190.754

 18, 14.359,
190.211

 18, 11.916,
191.290

 18, 15.406,
189.703

 18, 10.368,
191.830

 18, 16.379,
189.290

 19, 8.626, 192.376

 19, 6.716, 192.931

 19, 4.664, 193.499

 20, 2.496, 194.100

■ 20, 0.237, 195.453

■ 21, 2.091, 15.063

■ 21, 4.468, 15.691

Harmonies

Complementary

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



18, 13.251, 190.754



9, 19.279, 21.110

Rectangle

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



18, 13.251, 190.754



18, 13.251, 240.754



18, 13.251, 10.754



18, 13.251, 60.754

Sweetspot

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



18, 13.251, 190.752



26, 5.773, 193.437



17, 27.502, 138.359



12, 3.945, 193.411



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, 13.251, 190.752



24, 17.829, 189.743



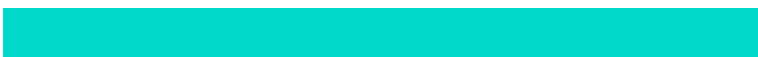
12, 12.604, 259.610



9, 1.294, 194.282



34, 24.367, 188.541



78, 46.572, 187.894

Inverse Universe

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



9, 19.279, 21.110



11, 28.779, 25.607



13, 15.654, 60.349



8, 1.344, 14.942



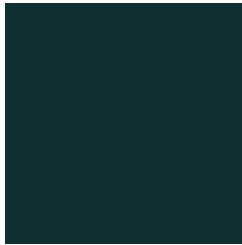
16, 43.966, 31.726



45, 90.197, 38.115

Previews

White Background



This preview shows how the CIELCh color 18, 13.251, 190.754 looks on a white background.

Color Contrast Check

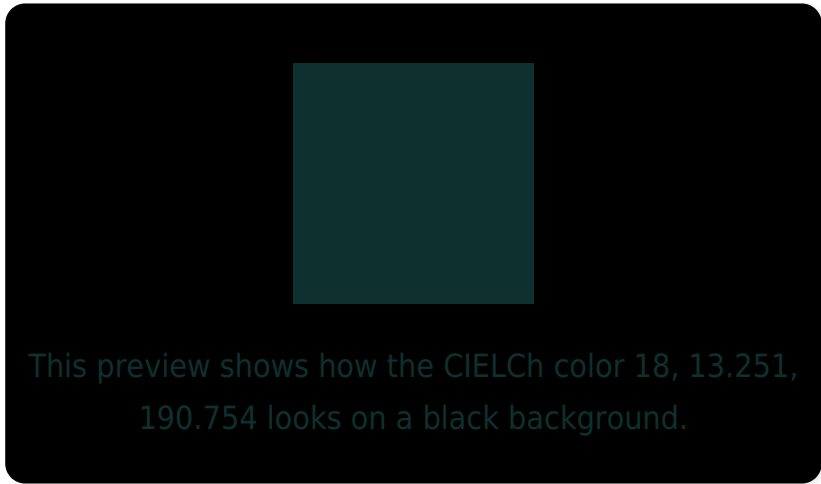
Large Text (above 18pt) WCAG AA ✓ Pass

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

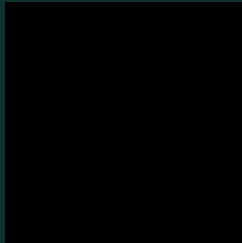
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 13.251, 190.754

Background



This preview shows how black text looks on a background with the CIELCh color 18, 13.251, 190.754.



This preview shows how white text looks on a background with the CIELCh color 18, 13.251, 190.754.

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, 13.251, 190.754

Protanopia
18, 0.476, 19.101

Deuteranopia
18, 4.391, 309.514



Tritanopia
18, 11.623, 211.197

Trichromacy



Original Color
18, 13.251, 190.754

Protanomaly
18, 5.447, 190.966

Deuteranomaly
18, 5.176, 222.326

Tritanomaly
18, 11.915, 203.867

Monochromacy



Original Color
18, 13.251, 190.754

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 5.898, 191.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 13.251, 190.754 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(14, 49, 47)` looks like.

```
.text, #text, p{  
    color:rgb(14, 49, 47)  
}
```

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(14, 49, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 49, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 13.251, 190.754 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(14, 49, 47) }
```

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

```
.border{ border-color:rgb(14, 49, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 49, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 49, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 49, 47);  
box-shadow:4px 4px 4px 4px rgb(14, 49, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 13.251, 190.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 49, 47) }
```

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

```
.background{ background-color: rgb(14, 49,  
47) }
```

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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