

Converting Colors

CIELCh(18, 10.481, 225.078)

Have a look what the booklet for
CIELCh(18, 10.481, 225.078)
contains.

CIELCh(18, 10.510, 221.085)	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, 10.510, 221.085)

Conversions

Conversions Part 1

Format	Color
Hex	163036
RGB	22, 48, 54
RGB Percent	9%, 19%, 21%
CMY	0.9150, 0.8130, 0.7895
CMYK	0.60, 0.11, 0.00, 0.79
HSL	191°, 42%, 15%
HSV	191°, 60%, 21%
XYZ	2.0258, 2.5180, 3.8295
YIQ	40.9100, -17.4220, -3.6460

Conversions

Conversions Part 2

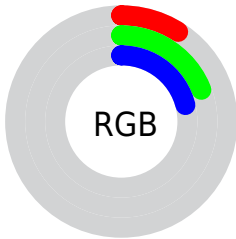
Format	Color
R_{YB}	22, 36, 54
Decimal	1454134
CIE _{Lab}	18.00, -7.92, -6.91
CIE _{LCh}	18, 10.510, 221.085
Yxy	2.5180, 0.2419, 0.3007
Android (android.graphics.Color)	4279644214 (0xFF163036)
YUV	40.9100, 6.4534, -16.5841
Hunter-Lab	15.8683, -4.9816, -3.2006

Details

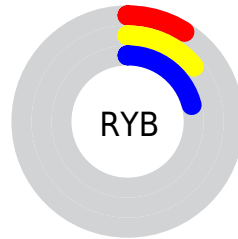
The CIELCh color **18, 10.510, 221.085** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 15.449, 38.787**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 10.551, 222.532**, and **0, 3.629, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **17, 11.694, 222.274**, and if you desaturate by 10%, it is **19, 9.124, 220.151**.

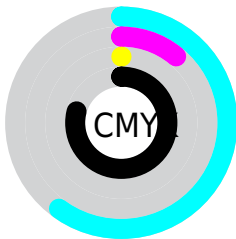
Distribution



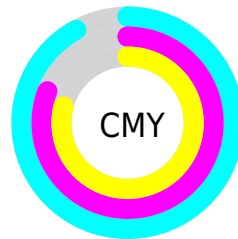
- Red (9%)
- Green (19%)
- Blue (21%)



- Red (9%)
- Yellow (14%)
- Blue (21%)



- Cyan (60%)
- Magenta (11%)
- Yellow (0%)
- Black (79%)



- Cyan (92%)
- Magenta (81%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 10.510, 221.085 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, 10.510, 221.085 by changing the saturation by 10% instead.

■ 18, 10.510,
221.085

■ 18, 10.510,
221.085

■ 100, 10.510,
221.085

■ 8, 10.510, 221.085

■ 38, 10.510,
221.085

■ 0, 10.510, 221.085

■ 48, 10.510,
221.085


■ 58, 10.510,
221.085


■ 68, 10.510,
221.085


■ 78, 10.510,
221.085


■ 88, 10.510,

221.085


 98, 10.510,
221.085

 18, 10.510,
221.085


 18, 10.510,
221.085

 17, 11.694,
222.274


 19, 9.124, 220.151

 17, 12.663,
223.770


 19, 7.557, 219.435

 16, 13.507,
225.388

 20, 5.831, 218.900

 16, 14.405,
226.728

 22, 1.992, 218.295

 16, 14.439,
226.773

 22, 0.077, 35.186

 23, 2.220, 37.800

■ 24, 4.421, 37.806

■ 25, 6.667, 37.829

Harmonies

Complementary

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



18, 10.510, 221.085



14, 15.449, 38.787

Rectangle

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



18, 10.510, 221.085



18, 10.510, 271.085



18, 10.510, 41.085



18, 10.510, 91.085

Sweetspot

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



18, 10.510, 221.083



27, 4.491, 218.496



19, 22.813, 145.462



13, 3.144, 218.529



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



18, 10.510, 221.083



23, 14.441, 223.104



12, 16.027, 281.611



10, 1.192, 218.284



29, 20.659, 230.053



67, 39.031, 233.246

Inverse Universe

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



13, 22.671, 333.388



16, 32.308, 334.354



18, 15.911, 85.803



9, 2.227, 330.486



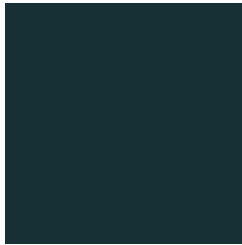
19, 47.810, 336.660



50, 89.011, 337.516

Previews

White Background



This preview shows how the CIELCh color 18, 10.510, 221.085 looks on a white background.

Color Contrast Check

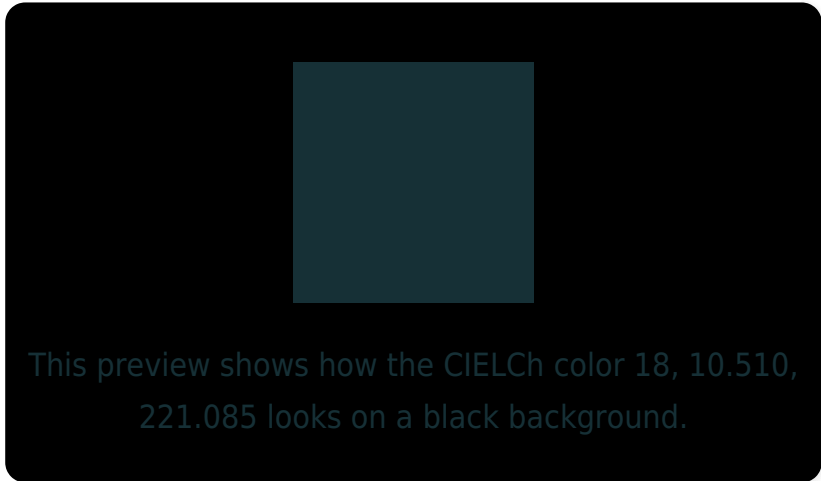
Large Text (above 18pt) WCAG AA ✓ Pass

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

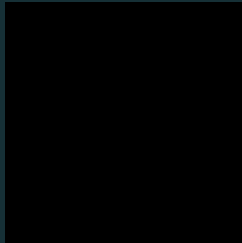
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

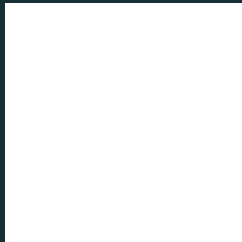
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 10.510, 221.085

Background



This preview shows how black text looks on a background with the CIELCh color 18, 10.510, 221.085.



This preview shows how white text looks on a background with the CIELCh color 18, 10.510, 221.085.

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](#).

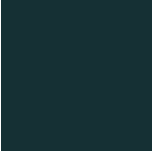
Dichromacy



Original Color
18, 10.510, 221.085

Protanopia
18, 4.844, 286.093

Deuteranopia
18, 8.300, 292.243



Tritanopia
18, 10.582, 212.774

Trichromacy



Original Color
18, 10.510, 221.085

Protanomaly
18, 6.322, 249.104

Deuteranomaly
18, 7.911, 260.310

Tritanomaly
18, 10.655, 216.640

Monochromacy



Original Color
18, 10.510, 221.085

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 4.454, 226.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 10.510, 221.085 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(22, 48, 54)` looks like.

```
.text, #text, p{  
    color:rgb(22, 48, 54)  
}
```

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(22, 48, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 48, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 10.510, 221.085 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(22, 48, 54) }
```

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

```
.border{ border-color:rgb(22, 48, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 48, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 48, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 48, 54);  
box-shadow:4px 4px 4px 4px rgb(22, 48, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 10.510, 221.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 48, 54) }
```

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

```
.background{ background-color: rgb(22, 48,  
54) }
```

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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