

Converting Colors

CIELCh(10, 11.685, 191.579)

Have a look what the booklet for
CIELCh(10, 11.685, 191.579)
contains.

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Color

CIELCh(10, 11.928, 189.306)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 02201E |
| RGB | 2, 32, 30 |
| RGB Percent | 1%, 13%, 12% |
| CMY | 0.9930, 0.8753, 0.8832 |
| CMYK | 0.94, 0.00, 0.06, 0.88 |
| HSL | 176°, 89%, 7% |
| HSV | 176°, 94%, 12% |
| XYZ | 0.7649, 1.1260, 1.3912 |
| YIQ | 22.8020, -17.2380, -6.9820 |

Conversions

Conversions Part 2

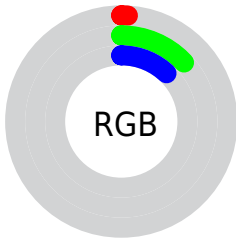
| Format | Color |
|-------------------------------------|------------------------------|
| R_YB | 2, 18, 32 |
| Decimal | 139294 |
| CIE Lab | 10.00, -11.77, -1.93 |
| CIE LCh | 10, 11.928, 189.306 |
| Yxy | 1.1260, 0.2330, 0.3431 |
| Android (android.graphics.Color) | 4278329374 (0xFF02201E) |
| YUV | 22.8020, 3.5486, -18.2434 |
| Hunter-Lab | 10.6114, -5.7035, -0.3453 |

Details

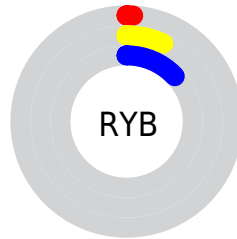
The CIELCh color **10, 11.928, 189.306** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3, 12.595, 15.726**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 11.579, 191.286**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 12.503, 189.153**, and if you desaturate by 10%, it is **10, 10.896, 189.634**.

Distribution



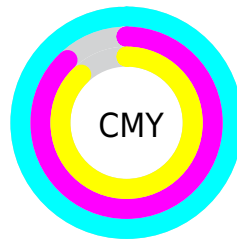
- Red (1%)
- Green (13%)
- Blue (12%)



- Red (1%)
- Yellow (7%)
- Blue (13%)



- Cyan (94%)
- Magenta (0%)
- Yellow (6%)
- Black (88%)





- Cyan (99%)
- Magenta (88%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 11.928, 189.306 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 10, 11.928, 189.306 by changing the saturation by 10% instead.


 10, 11.928,
189.306


 10, 11.928,
189.306


 100, 11.928,
189.306


 0, 11.928, 189.306


 30, 11.928,
189.306

 40, 11.928,
189.306


 50, 11.928,
189.306


 60, 11.928,
189.306


 70, 11.928,
189.306


 80, 11.928,


189.306

 90, 11.928,
189.306

 10, 11.928,
189.306

 10, 11.928,
189.306

 10, 12.503,
189.153

 10, 10.896,
189.634

 10, 9.856, 190.059

 10, 8.832, 190.562

 11, 7.714, 191.076

 11, 6.481, 191.592

 11, 5.148, 192.111

■ 11, 3.730, 192.639

■ 12, 2.241, 193.186

■ 12, 0.694, 193.864

Harmonies

Complementary

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



10, 11.928, 189.306



3, 12.595, 15.726

Rectangle

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



10, 11.928, 189.306



10, 11.928, 239.306



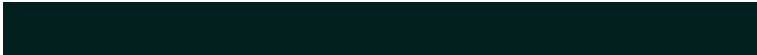
10, 11.928, 9.306



10, 11.928, 59.306

Sweetspot

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



10, 11.928, 189.305



15, 5.240, 192.340



9, 21.523, 142.677



6, 2.763, 193.092



61, 0.008, 296.813



6, 0.002, 296.812

Same Dimension

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



10, 11.928, 189.305



14, 14.685, 188.517



5, 10.648, 260.478



4, 0.543, 193.809



30, 22.593, 187.464



75, 45.340, 186.602

Inverse Universe

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



3, 12.595, 15.726



4, 20.030, 16.354



6, 10.312, 50.064



4, 0.543, 13.936



14, 39.473, 29.199



43, 86.489, 37.659

Previews

White Background



This preview shows how the CIELCh color 10, 11.928, 189.306 looks on a white background.

Color Contrast Check

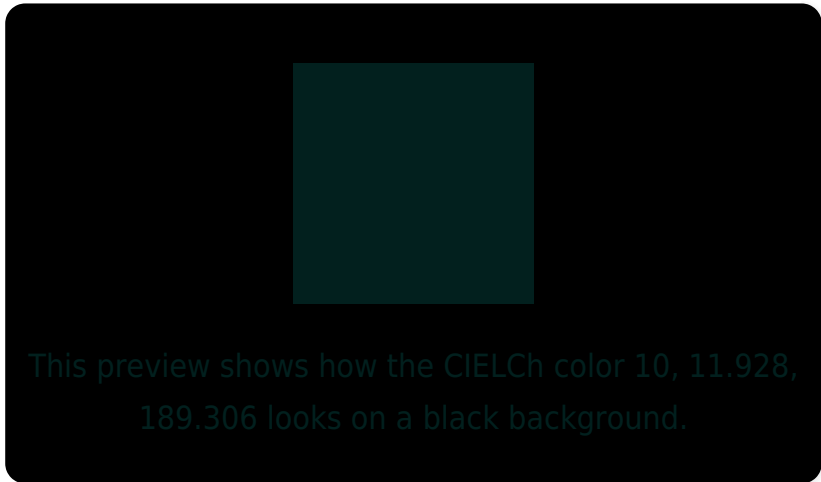
Large Text (above 18pt) WCAG AA ✓ Pass

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

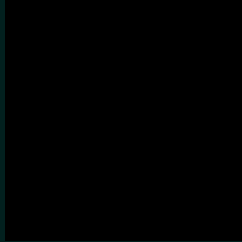
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 11.928, 189.306

Background



This preview shows how black text looks on a background with the CIELCh color 10, 11.928, 189.306.



This preview shows how white text looks on a background with the CIELCh color 10, 11.928, 189.306.

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


10, 11.928, 189.306

Protanopia

10, 0.509, 19.254

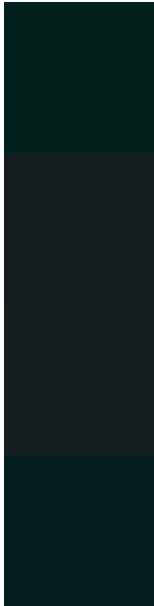
Deuteranopia

10, 3.320, 317.681



Tritanopia
10, 9.446, 210.877

Trichromacy



Original Color
10, 11.928, 189.306

Protanomaly
10, 4.700, 198.164

Deuteranomaly
10, 4.373, 218.257

Tritanomaly
10, 10.154, 201.110

Monochromacy



Original Color
10, 11.928, 189.306

Achromatopsia
8, 0.002, 296.812

Achromatomaly
8, 5.131, 190.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 11.928, 189.306 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(2, 32, 30)` looks like.

```
.text, #text, p{  
    color:rgb(2, 32, 30)  
}
```

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(2, 32, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 32, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 11.928, 189.306 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(2, 32, 30) }
```

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

```
.border{ border-color:rgb(2, 32, 30) }
```

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

Here you see how a box with a 4 pixel rgb(2, 32, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 32, 30); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 32, 30); box-shadow:4px  
4px 4px 4px rgb(2, 32, 30) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 11.928, 189.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 32, 30) }
```

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

```
.background{ background-color: rgb(2, 32,  
30) }
```

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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