

Converting Colors

CIELCh(10, 18.427, 130.949)

Have a look what the booklet for
CIELCh(10, 18.427, 130.949)
contains.

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Color

CIELCh(10, 18.195, 130.967)

Conversions

Conversions Part 1

Format	Color
Hex	121F02
RGB	18, 31, 2
RGB Percent	7%, 12%, 1%
CMY	0.9287, 0.8776, 0.9908
CMYK	0.42, 0.00, 0.92, 0.88
HSL	87°, 86%, 7%
HSV	87°, 92%, 12%
XYZ	0.7610, 1.1260, 0.2449
YIQ	23.8070, 1.5610, -11.7750

Conversions

Conversions Part 2

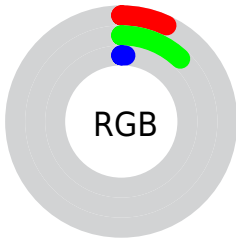
Format	Color
R_{YB}	2, 31, 15
Decimal	1187586
CIE _{Lab}	10.00, -11.93, 13.74
CIE _{LCh}	10, 18.195, 130.967
Yxy	1.1260, 0.3570, 0.5282
Android (android.graphics.Color)	4279377666 (0xFF121F02)
YUV	23.8070, -10.7509, -5.0927
Hunter-Lab	10.6114, -5.7685, 6.0598

Details

The CIELCh color **10, 18.195, 130.967** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **2, 17.450, 303.567**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **30, 18.026, 131.565**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 19.326, 131.289**, and if you desaturate by 10%, it is **10, 16.678, 130.355**.

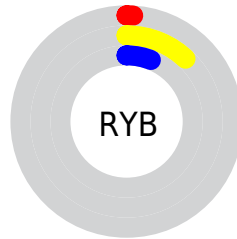
Distribution



Red (7%)

Green (12%)

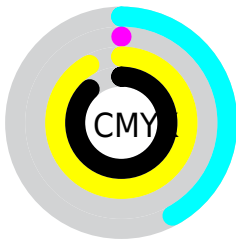
Blue (1%)



Red (1%)

Yellow (12%)

Blue (6%)

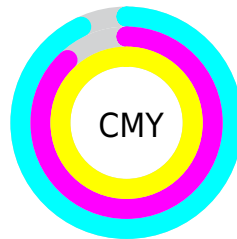


Cyan (42%)

Magenta (0%)

Yellow (92%)

Black (88%)



Cyan (93%)


Magenta (88%)


Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 18.195, 130.967 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, 18.195, 130.967 by changing the saturation by 10% instead.


 10, 18.195,
130.967


 10, 18.195,
130.967


 100, 18.195,
130.967


 0, 18.195, 130.967

 30, 18.195,
130.967

 40, 18.195,
130.967


 50, 18.195,
130.967


 60, 18.195,
130.967


 70, 18.195,
130.967


 80, 18.195,


130.967


 90, 18.195,
130.967


 10, 18.195,
130.967


 10, 18.195,
130.967

 10, 19.326,
131.289

 10, 16.678,
130.355

 10, 15.138,
129.466

 10, 13.574,
128.399

 11, 11.829,
127.431

 11, 9.874, 126.669

■ 11, 7.701, 126.301

■ 11, 5.343, 126.581

■ 12, 2.961, 126.940

■ 12, 0.580, 127.321

Harmonies

Complementary

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



10, 18.195, 130.967



2, 17.450, 303.567

Rectangle

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



10, 18.195, 130.967



10, 18.195, 180.967



10, 18.195, 310.967



10, 18.195, 0.967

Sweetspot

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



10, 18.196, 130.968



16, 8.381, 126.298



6, 9.824, 53.965



6, 4.224, 128.729



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, 18.196, 130.968



14, 25.737, 127.805



9, 20.826, 143.370



4, 0.825, 127.698



30, 45.340, 124.849



75, 91.699, 126.468

Inverse Universe

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



2, 17.450, 303.567



3, 26.494, 305.671



4, 20.418, 323.644



4, 0.825, 307.004



8, 53.397, 311.867



31, 107.662, 310.765

Previews

White Background



This preview shows how the CIELCh color 10, 18.195, 130.967 looks on a white background.

Color Contrast Check

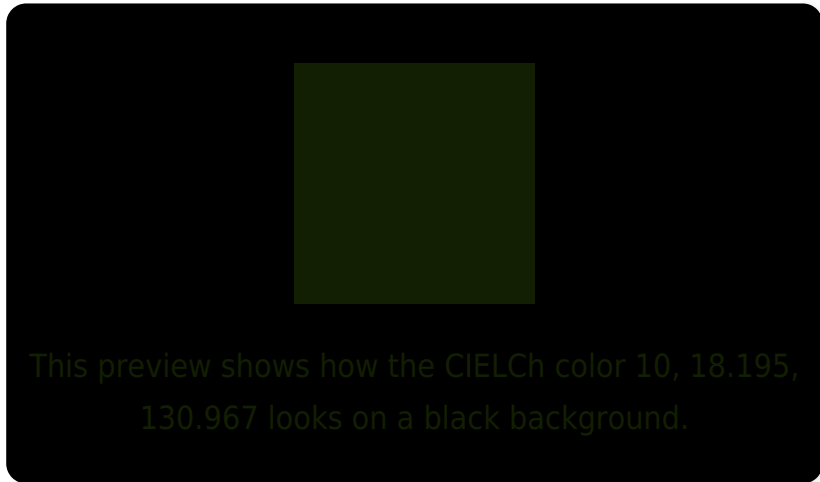
Large Text (above 18pt) WCAG AA ✓ Pass

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

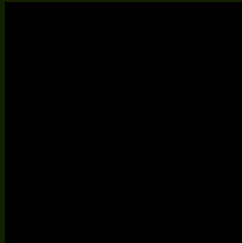
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

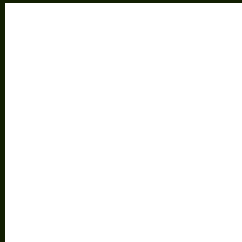
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 10, 18.195, 130.967

Background



This preview shows how black text looks on a background with the CIELCh color 10, 18.195, 130.967.



This preview shows how white text looks on a background with the CIELCh color 10, 18.195, 130.967.

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

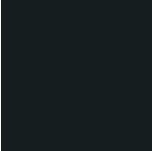
10, 18.195, 130.967

Protanopia

10, 15.146, 101.776

Deuteranopia

10, 12.033, 82.625



Tritanopia
10, 3.568, 223.172

Trichromacy



Original Color
10, 18.195, 130.967

Protanomaly
10, 15.572, 115.043

Deuteranomaly
10, 13.056, 106.051

Tritanomaly
10, 8.081, 143.224

Monochromacy



Original Color
10, 18.195, 130.967

Achromatopsia
8, 0.002, 296.813

Achromatomaly
9, 8.018, 128.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 18.195, 130.967 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(18, 31, 2)` looks like.

```
.text, #text, p{  
    color:rgb(18, 31, 2)  
}
```

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(18, 31, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 31, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 18.195, 130.967 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(18, 31, 2) }
```

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

```
.border{ border-color:rgb(18, 31, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 31, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 31, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(18, 31, 2); box-shadow:4px  
4px 4px 4px rgb(18, 31, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 18.195, 130.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 31, 2) }
```

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

```
.background{ background-color: rgb(18, 31,  
2) }
```

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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