

Converting Colors

CIELCh(18, 11.748, 197.097)

Have a look what the booklet for
CIELCh(18, 11.748, 197.097)
contains.

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Color

CIELCh(18, 11.886, 197.093)

Conversions

Conversions Part 1

Format	Color
Hex	123131
RGB	18, 49, 49
RGB Percent	7%, 19%, 19%
CMY	0.9306, 0.8090, 0.8089
CMYK	0.64, 0.00, 0.00, 0.81
HSL	180°, 47%, 13%
HSV	180°, 64%, 19%
XYZ	1.8788, 2.5180, 3.2617
YIQ	39.7310, -18.4760, -6.5720

Conversions

Conversions Part 2

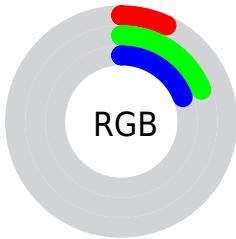
Format	Color
R_YB	18, 34, 49
Decimal	1192241
CIE _{Lab}	18.00, -11.36, -3.49
CIE _{LCh}	18, 11.886, 197.093
Yxy	2.5180, 0.2453, 0.3288
Android (android.graphics.Color)	4279382321 (0xFF123131)
YUV	39.7310, 4.5696, -19.0581
Hunter-Lab	15.8683, -6.6359, -1.0791

Details

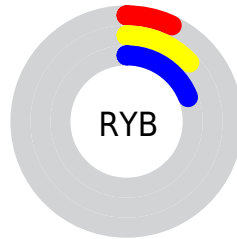
The CIELCh color **18, 11.886, 197.093** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 17.333, 24.413**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 11.850, 197.912**, and **0, 0.403, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.072, 196.868**, and if you desaturate by 10%, it is **18, 10.478, 197.360**.

Distribution



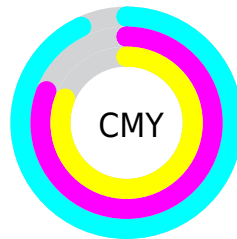
- Red (7%)
- Green (19%)
- Blue (19%)



- Red (7%)
- Yellow (13%)
- Blue (19%)



- Cyan (64%)
- Magenta (0%)
- Yellow (0%)
- Black (81%)



- Cyan (93%)
- Magenta (81%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 11.886, 197.093 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, 11.886, 197.093 by changing the saturation by 10% instead.

■ 18, 11.886,
197.093

■ 18, 11.886,
197.093

■ 100, 11.886,
197.093

■ 8, 11.886, 197.093

■ 38, 11.886,
197.093

■ 0, 11.886, 197.093

■ 48, 11.886,
197.093


■ 58, 11.886,
197.093


■ 68, 11.886,
197.093


■ 78, 11.886,
197.093


■ 88, 11.886,


197.093

 98, 11.886,
197.093

 18, 11.886,
197.093


 18, 11.886,
197.093

 18, 13.072,
196.868


 18, 10.478,
197.360


 18, 14.048,
196.686

 19, 8.866, 197.672

 18, 15.011,
196.508

 19, 7.070, 198.026

 17, 15.637,
196.394

 19, 5.115, 198.422

 20, 3.027, 198.866

 20, 0.830, 199.491

■ 21, 1.453, 19.566

■ 21, 3.801, 20.139

■ 22, 6.195, 20.659

Harmonies

Complementary

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



18, 11.886, 197.093



10, 17.333, 24.413

Rectangle

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



18, 11.886, 197.093



18, 11.886, 247.093



18, 11.886, 17.093



18, 11.886, 67.093

Sweetspot

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



18, 11.886, 197.091



26, 5.194, 198.576



17, 25.310, 140.058



12, 3.606, 198.543



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, 11.886, 197.091



24, 16.295, 196.746



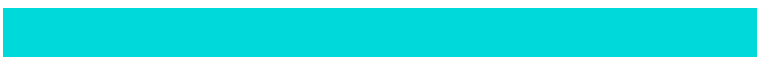
12, 12.285, 265.702



9, 1.285, 199.144



34, 23.297, 196.394



79, 44.325, 196.395

Inverse Universe

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



11, 25.144, 327.157



14, 35.851, 327.666



14, 14.193, 68.599



8, 2.334, 324.791



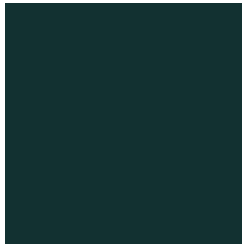
19, 53.725, 328.235



52, 102.219, 328.235

Previews

White Background



This preview shows how the CIELCh color 18, 11.886, 197.093 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



This preview shows how the CIELCh color 18, 11.886, 197.093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

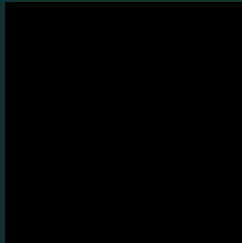
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

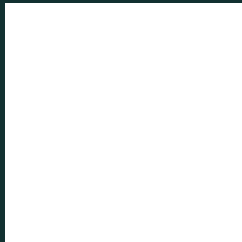
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 11.886, 197.093

Background



This preview shows how black text looks on a background with the CIELCh color 18, 11.886, 197.093.



This preview shows how white text looks on a background with the CIELCh color 18, 11.886, 197.093.

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, 11.886, 197.093

Protanopia

18, 1.383, 290.542

Deuteranopia

18, 5.049, 307.101



Tritanopia
18, 11.119, 211.927

Trichromacy



Original Color
18, 11.886, 197.093

Protanomaly
18, 5.319, 205.875

Deuteranomaly
18, 5.136, 241.340

Tritanomaly
18, 11.106, 208.201

Monochromacy



Original Color
18, 11.886, 197.093

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 5.375, 198.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 11.886, 197.093 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, 49, 49)` looks like.

```
.text, #text, p{  
    color:rgb(18, 49, 49)  
}
```

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, 49, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 49, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 11.886, 197.093 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, 49, 49) }
```

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

```
.border{ border-color:rgb(18, 49, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 49, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 49, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 49, 49);  
box-shadow:4px 4px 4px 4px rgb(18, 49, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 11.886, 197.093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 49, 49) }
```

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

```
.background{ background-color: rgb(18, 49,  
49) }
```

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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