

Converting Colors

CIELCh(7, 33.641, 191.606)

Have a look what the booklet for
CIELCh(7, 33.641, 191.606) contains.

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Color

CIELCh(10, 13.118, 186.450)

Conversions

Conversions Part 1

Format	Color
Hex	00201D
RGB	0, 32, 29
RGB Percent	0%, 13%, 11%
CMY	1.0000, 0.8739, 0.8857
CMYK	1.00, 0.00, 0.09, 0.87
HSL	174°, 100%, 6%
HSV	174°, 100%, 13%
XYZ	0.7340, 1.1260, 1.3510
YIQ	22.0900, -18.1090, -7.7170

Conversions

Conversions Part 2

Format	Color
RYB	0, 17, 32
Decimal	8221
CIELab	10.00, -13.03, -1.47
CIELCh	10, 13.118, 186.450
Yxy	1.1260, 0.2286, 0.3507
Android (android.graphics.Color)	4278198301 (0xFF00201D)
YUV	22.0900, 3.4066, -19.3729
Hunter-Lab	10.6114, -6.2226, -0.1204

Details

The CIELCh color **10, 13.118, 186.450** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3, 13.382, 14.192**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 12.620, 185.720**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 12.858, 186.279**, and if you desaturate by 10%, it is **10, 11.787, 186.628**.

Distribution



- Red (0%)
- Green (13%)
- Blue (11%)



- Red (0%)
- Yellow (7%)
- Blue (13%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (87%)





- Cyan (100%)
- Magenta (87%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 13.118, 186.450 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, 13.118, 186.450 by changing the saturation by 10% instead.


 10, 13.118,
186.450


 10, 13.118,
186.450


 100, 13.118,
186.450


 0, 13.118, 186.450


 30, 13.118,
186.450

 40, 13.118,
186.450


 50, 13.118,
186.450


 60, 13.118,
186.450


 70, 13.118,
186.450


 80, 13.118,


186.450


 90, 13.118,
186.450

 10, 13.118,
186.450

 10, 13.118,
186.450

 10, 12.858,
186.279

 10, 11.787,
186.628

 10, 10.707,
187.070

 11, 9.637, 187.621

 11, 8.549, 188.229

 11, 7.341, 188.825

 11, 6.026, 189.412

■ 11, 4.620, 189.995

■ 12, 3.138, 190.581

■ 12, 1.593, 191.195

Harmonies

Complementary

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



10, 13.118, 186.450



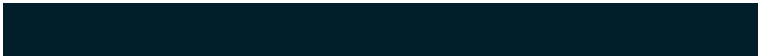
3, 13.382, 14.192

Rectangle

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



10, 13.118, 186.450



10, 13.118, 236.450



10, 13.118, 6.450



10, 13.118, 56.450

Sweetspot

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



10, 12.858, 186.279



15, 5.639, 189.875



10, 22.707, 142.332



6, 2.918, 190.527



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, 12.858, 186.279



14, 15.007, 185.548



5, 11.124, 259.088



4, 0.546, 191.532



30, 23.179, 184.136



75, 46.670, 182.989

Inverse Universe

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



3, 13.382, 14.192



4, 20.050, 15.101



5, 10.963, 48.215



4, 0.546, 11.797



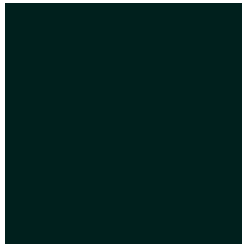
14, 39.140, 28.083



43, 85.250, 36.488

Previews

White Background



This preview shows how the CIELCh color 10, 13.118, 186.450 looks on a white background.

Color Contrast Check

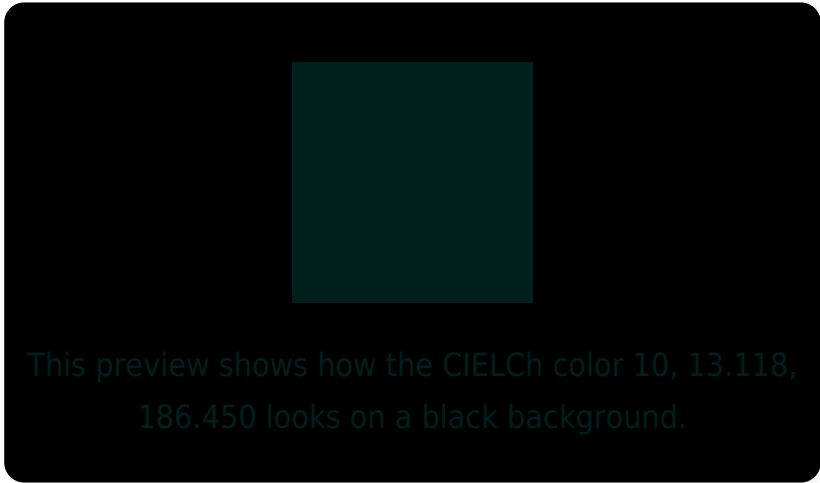
Large Text (above 18pt) WCAG AA ✓ Pass

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

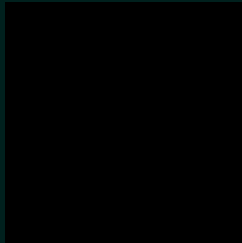
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 13.118, 186.450

Background



This preview shows how black text looks on a background with the CIELCh color 10, 13.118, 186.450.



This preview shows how white text looks on a background with the CIELCh color 10, 13.118, 186.450.

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, 12.795, 186.304

Protanopia

10, 0.890, 74.707

Deuteranopia

11, 1.789, 324.666



Tritanopia
10, 9.158, 211.380

Trichromacy



Original Color
10, 12.795, 186.304

Protanomaly
10, 5.886, 183.251

Deuteranomaly
10, 5.112, 198.078

Tritanomaly
10, 10.154, 201.110

Monochromacy



Original Color
10, 12.795, 186.304

Achromatopsia
7, 0.002, 296.812

Achromatomaly
8, 5.484, 190.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 13.118, 186.450 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(0, 32, 29)` looks like.

```
.text, #text, p{  
    color:rgb(0, 32, 29)  
}
```

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(0, 32, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 32, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 13.118, 186.450 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(0, 32, 29) }
```

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

```
.border{ border-color:rgb(0, 32, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 32, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 32, 29); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 32, 29); box-shadow:4px  
4px 4px 4px rgb(0, 32, 29) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 13.118, 186.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 32, 29) }
```

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

```
.background{ background-color: rgb(0, 32,  
29) }
```

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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