

Converting Colors

CIELCh(10, 23.244, 146.779)

Have a look what the booklet for
CIELCh(10, 23.244, 146.779)
contains.

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Color

CIELCh(10, 23.686, 146.083)

Conversions

Conversions Part 1

Format	Color
Hex	002203
RGB	0, 34, 3
RGB Percent	0%, 13%, 1%
CMY	1.0000, 0.8682, 0.9871
CMYK	1.00, 0.00, 0.90, 0.87
HSL	126°, 100%, 7%
HSV	126°, 100%, 13%
XYZ	0.5724, 1.1260, 0.2814
YIQ	20.3000, -10.3130, -16.8490

Conversions

Conversions Part 2

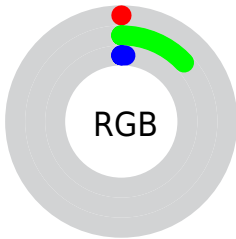
Format	Color
RYB	0, 31, 34
Decimal	8707
CIELab	10.00, -19.66, 13.22
CIELCh	10, 23.686, 146.083
Yxy	1.1260, 0.2891, 0.5688
Android (android.graphics.Color)	4278198787 (0xFF002203)
YUV	20.3000, -8.5289, -17.8031
Hunter-Lab	10.6114, -8.9414, 5.8558

Details

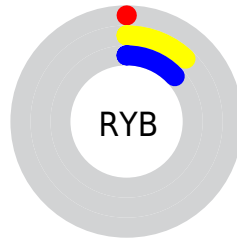
The CIELCh color **10, 23.686, 146.083** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **4, 22.576, 329.992**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 24.405, 145.392**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 23.577, 145.782**, and if you desaturate by 10%, it is **10, 21.847, 145.577**.

Distribution



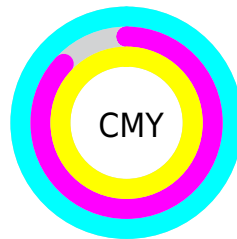
- Red (0%)
- Green (13%)
- Blue (1%)



- Red (0%)
- Yellow (12%)
- Blue (13%)



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)
- Black (87%)





- Cyan (100%)
- Magenta (87%)
- Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 23.686, 146.083 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, 23.686, 146.083 by changing the saturation by 10% instead.


 10, 23.686,
146.083


 10, 23.686,
146.083


 100, 23.686,
146.083


 0, 23.686, 146.083

 30, 23.686,
146.083

 40, 23.686,
146.083


 50, 23.686,
146.083


 60, 23.686,
146.083


 70, 23.686,
146.083


 80, 23.686,


146.083


 90, 23.686,
146.083


 10, 23.686,
146.083


 10, 23.686,
146.083


 10, 23.577,
145.782

 10, 21.847,
145.577

 10, 20.103,
145.326

 11, 18.287,
145.131

 11, 16.192,
145.024

 11, 13.769,
144.853

■ 11, 11.131,
145.041

■ 12, 8.356, 145.673

■ 12, 5.560, 146.253

■ 13, 2.767, 146.778

Harmonies

Complementary

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



10, 23.686, 146.083



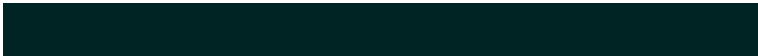
4, 22.576, 329.992

Rectangle

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



10, 23.686, 146.083



10, 23.686, 196.083



10, 23.686, 326.083



10, 23.686, 16.083

Sweetspot

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



10, 23.577, 145.782



16, 10.383, 145.542



12, 19.029, 111.623



7, 5.956, 146.752



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



10, 23.577, 145.782



14, 30.602, 142.718



10, 17.594, 160.374



5, 1.174, 147.130



29, 49.947, 137.970



73, 101.195, 136.796

Inverse Universe

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



4, 22.576, 329.992



6, 30.686, 331.481



3, 15.551, 357.356



5, 1.170, 327.270



17, 47.089, 332.155



49, 92.111, 332.583

Previews

White Background



This preview shows how the CIELCh color 10, 23.686, 146.083 looks on a white background.

Color Contrast Check

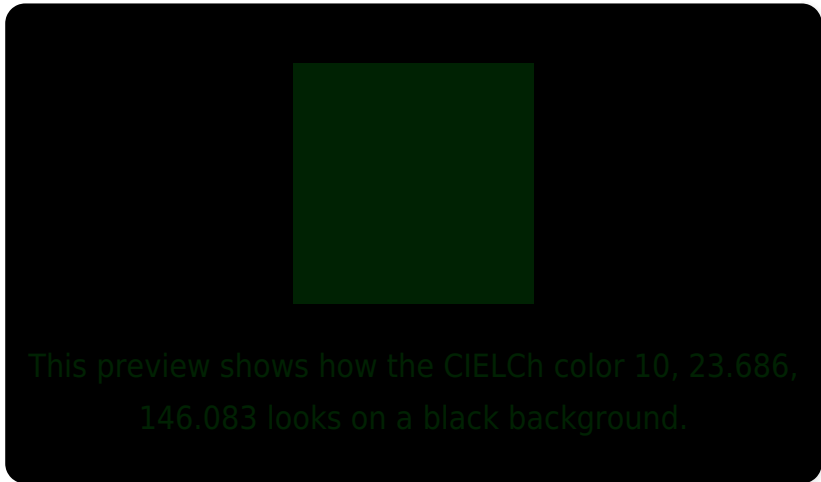
Large Text (above 18pt) WCAG AA ✓ Pass

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

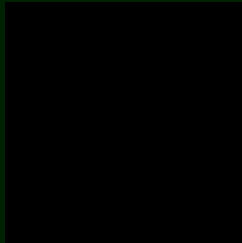
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 23.686, 146.083

Background



This preview shows how black text looks on a background with the CIELCh color 10, 23.686, 146.083.



This preview shows how white text looks on a background with the CIELCh color 10, 23.686, 146.083.

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, 24.028, 145.527

Protanopia

10, 15.852, 101.618

Deuteranopia

10, 12.337, 82.972



Tritanopia
10, 7.395, 215.223

Trichromacy



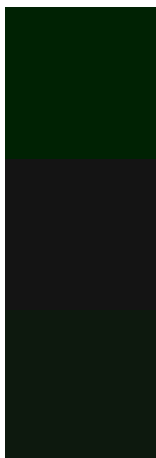
Original Color
10, 24.028, 145.527

Protanomaly
10, 18.184, 127.822

Deuteranomaly
10, 13.943, 122.699

Tritanomaly
10, 12.362, 163.974

Monochromacy



Original Color
10, 24.028, 145.527

Achromatopsia
6, 0.002, 296.812

Achromatomaly
7, 8.842, 146.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 23.686, 146.083 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, 34, 3)` looks like.

```
.text, #text, p{  
    color:rgb(0, 34, 3)  
}
```

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, 34, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 34, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 23.686, 146.083 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, 34, 3) }
```

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

```
.border{ border-color:rgb(0, 34, 3) }
```

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

Here you see how a box with a 4 pixel rgb(0, 34, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 34, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 34, 3); box-shadow:4px  
4px 4px 4px rgb(0, 34, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 23.686, 146.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 34, 3) }
```

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

```
.background{ background-color: rgb(0, 34,  
3) }
```

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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