

Converting Colors

CIELCh(10, 11.307, 197.377)

Have a look what the booklet for
CIELCh(10, 11.307, 197.377)
contains.

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Color

CIELCh(10, 11.516, 196.579)

Conversions

Conversions Part 1

Format	Color
Hex	022020
RGB	2, 32, 32
RGB Percent	1%, 13%, 13%
CMY	0.9935, 0.8760, 0.8760
CMYK	0.95, 0.00, 0.00, 0.88
HSL	180°, 90%, 7%
HSV	180°, 95%, 12%
XYZ	0.7828, 1.1260, 1.5159
YIQ	23.0300, -17.8800, -6.3600

Conversions

Conversions Part 2

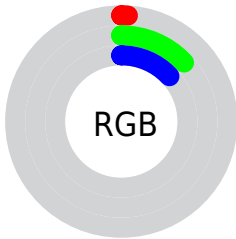
Format	Color
R_YB	2, 17, 32
Decimal	139296
CIE _{Lab}	10.00, -11.04, -3.29
CIE _{LCh}	10, 11.516, 196.579
Yxy	1.1260, 0.2286, 0.3288
Android (android.graphics.Color)	4278329376 (0xFF022020)
YUV	23.0300, 4.4222, -18.4433
Hunter-Lab	10.6114, -5.4022, -1.0419

Details

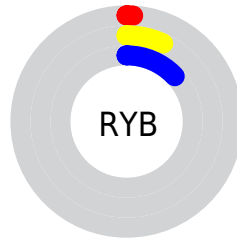
The CIELCh color **10, 11.516, 196.579** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3, 12.485, 19.393**, and the grayscale version is **8, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 11.330, 197.741**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 12.024, 196.509**, and if you desaturate by 10%, it is **10, 10.535, 196.751**.

Distribution



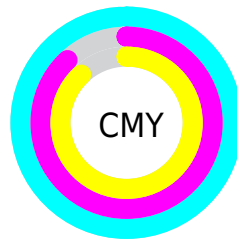
- Red (1%)
- Green (13%)
- Blue (13%)



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



- Cyan (95%)
- Magenta (0%)
- Yellow (0%)
- Black (88%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 11.516, 196.579 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, 11.516, 196.579 by changing the saturation by 10% instead.


 10, 11.516,
196.579


 10, 11.516,
196.579


 100, 11.516,
196.579


 0, 11.516, 196.579

 30, 11.516,
196.579

 40, 11.516,
196.579


 50, 11.516,
196.579


 60, 11.516,
196.579


 70, 11.516,
196.579


 80, 11.516,


196.579

 90, 11.516,
196.579

 10, 11.516,
196.579

 10, 11.516,
196.579

 10, 12.024,
196.509

 10, 10.535,
196.751

 10, 9.554, 196.981

 10, 8.598, 197.217

 11, 7.547, 197.478

 11, 6.375, 197.774

 11, 5.095, 198.103

■ 11, 3.722, 198.464

■ 12, 2.268, 198.867

■ 12, 0.748, 199.406

Harmonies

Complementary

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



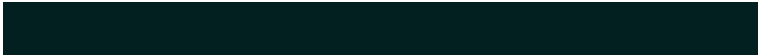
10, 11.516, 196.579



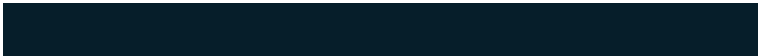
3, 12.485, 19.393

Rectangle

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



10, 11.516, 196.579



10, 11.516, 246.579



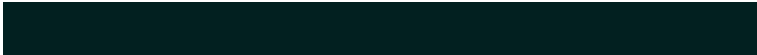
10, 11.516, 16.579



10, 11.516, 66.579

Sweetspot

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



10, 11.516, 196.578



15, 5.161, 198.269



9, 21.797, 143.955



6, 2.742, 199.426



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, 11.516, 196.578



14, 14.040, 196.362



5, 11.380, 267.210



4, 0.540, 199.528



30, 21.442, 196.358



75, 42.760, 196.355

Inverse Universe

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



3, 12.485, 19.393



4, 20.018, 19.457



6, 10.235, 57.358



4, 0.540, 19.265



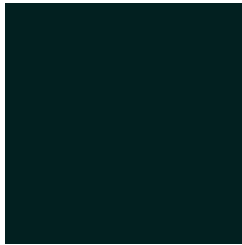
14, 40.356, 31.875



43, 89.207, 39.993

Previews

White Background



This preview shows how the CIELCh color 10, 11.516, 196.579 looks on a white background.

Color Contrast Check

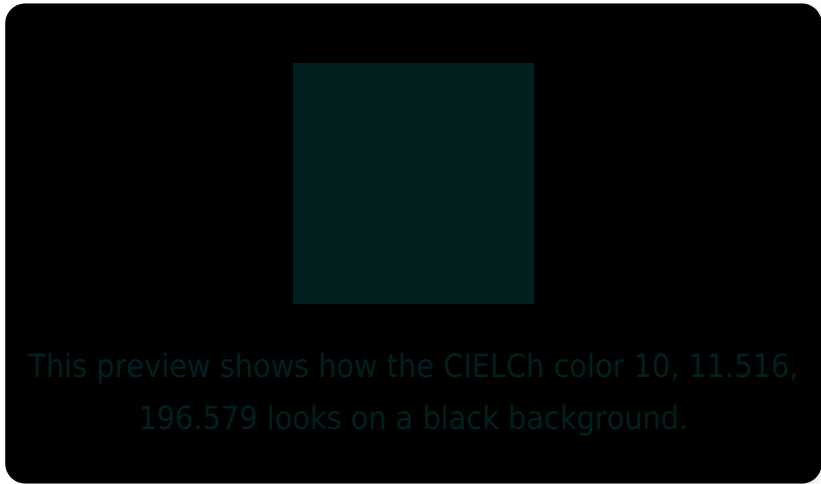
Large Text (above 18pt) WCAG AA ✓ Pass

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

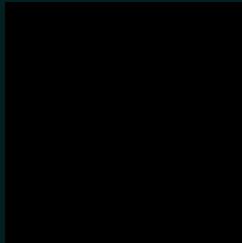
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

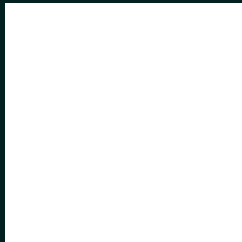
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 10, 11.516, 196.579

Background



This preview shows how black text looks on a background with the CIELCh color 10, 11.516, 196.579.



This preview shows how white text looks on a background with the CIELCh color 10, 11.516, 196.579.

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, 11.516, 196.579

Protanopia

10, 0.738, 290.442

Deuteranopia

11, 3.718, 298.812



Tritanopia
10, 9.738, 210.393

Trichromacy



Original Color
10, 11.516, 196.579

Protanomaly
10, 5.091, 206.522

Deuteranomaly
10, 4.970, 225.011

Tritanomaly
10, 10.374, 205.176

Monochromacy



Original Color
10, 11.516, 196.579

Achromatopsia
8, 0.002, 296.812

Achromatomaly
8, 5.029, 198.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 11.516, 196.579 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, 32)` looks like.

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

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, 32) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 10, 11.516, 196.579 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, 32) }
```

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

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

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, 32)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 10, 11.516, 196.579 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, 32) }
```

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

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

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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