

Converting Colors

CIELCh(10, 18.559, 156.248)

Have a look what the booklet for
CIELCh(10, 18.559, 156.248)
contains.

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Color

CIELCh(10, 18.585, 155.890)

Conversions

Conversions Part 1

Format	Color
Hex	002110
RGB	0, 33, 16
RGB Percent	0%, 13%, 6%
CMY	0.9999, 0.8705, 0.9372
CMYK	1.00, 0.00, 0.51, 0.87
HSL	149°, 100%, 6%
HSV	149°, 100%, 13%
XYZ	0.6381, 1.1260, 0.6746
YIQ	21.1950, -14.2110, -12.2830

Conversions

Conversions Part 2

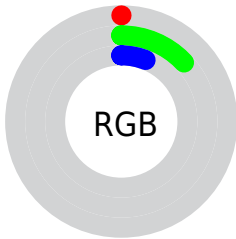
Format	Color
RYB	0, 22, 33
Decimal	8464
CIELab	10.00, -16.96, 7.59
CIELCh	10, 18.585, 155.890
Yxy	1.1260, 0.2617, 0.4617
Android (android.graphics.Color)	4278198544 (0xFF002110)
YUV	21.1950, -2.5611, -18.5880
Hunter-Lab	10.6114, -7.8359, 3.6585

Details

The CIELCh color **10, 18.585, 155.890** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3, 15.855, 351.390**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 18.364, 155.481**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 18.594, 155.889**, and if you desaturate by 10%, it is **10, 17.069, 156.091**.

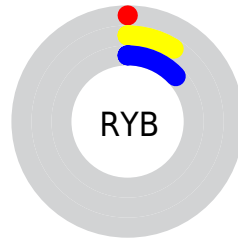
Distribution



Red (0%)

Green (13%)

Blue (6%)



Red (0%)

Yellow (9%)

Blue (13%)

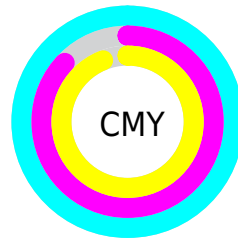


Cyan (100%)

Magenta (0%)

Yellow (51%)

Black (87%)



Cyan (100%)


Magenta (87%)


Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 18.585, 155.890 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, 18.585, 155.890 by changing the saturation by 10% instead.


 10, 18.585,
155.890


 10, 18.585,
155.890


 100, 18.585,
155.890


 0, 18.585, 155.890

 30, 18.585,
155.890

 40, 18.585,
155.890


 50, 18.585,
155.890


 60, 18.585,
155.890


 70, 18.585,
155.890


 80, 18.585,


155.890


 90, 18.585,
155.890


 10, 18.585,
155.890


 10, 18.585,
155.890


 10, 18.594,
155.889

 10, 17.069,
156.091

 10, 15.484,
156.532

 11, 13.829,
157.307

 11, 12.038,
158.308

 11, 10.133,
159.245

■ 11, 8.163, 160.101

■ 12, 6.146, 160.884

■ 12, 4.101, 161.609

■ 12, 2.043, 162.297

Harmonies

Complementary

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



10, 18.585, 155.890



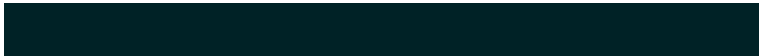
3, 15.855, 351.390

Rectangle

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



10, 18.585, 155.890



10, 18.585, 205.890



10, 18.585, 335.890



10, 18.585, 25.890

Sweetspot

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



10, 18.585, 155.890



16, 7.765, 160.706



11, 20.892, 131.902



7, 4.603, 160.622



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, 18.585, 155.890



14, 23.680, 153.623



11, 12.514, 194.492



4, 0.682, 162.433



29, 36.937, 150.666



73, 77.448, 148.212

Inverse Universe

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



3, 15.855, 351.390



5, 23.687, 353.245



3, 13.902, 18.491



4, 0.675, 343.268



15, 36.766, 356.709



45, 72.447, 0.915

Previews

White Background



This preview shows how the CIELCh color 10, 18.585, 155.890 looks on a white background.

Color Contrast Check

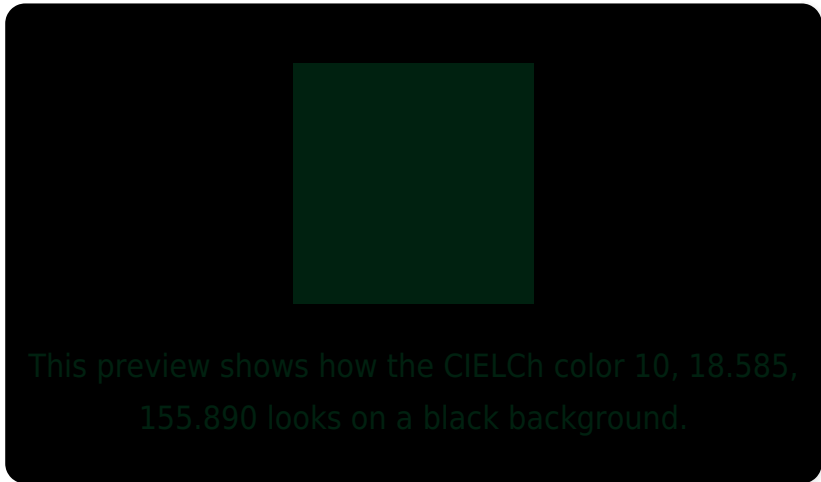
Large Text (above 18pt) WCAG AA ✓ Pass

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

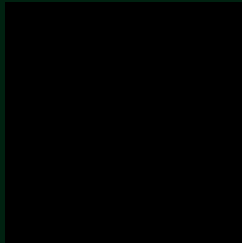
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 18.585, 155.890

Background



This preview shows how black text looks on a background with the CIELCh color 10, 18.585, 155.890.



This preview shows how white text looks on a background with the CIELCh color 10, 18.585, 155.890.

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, 18.585, 155.890

Protanopia
10, 9.363, 97.846

Deuteranopia
10, 7.452, 76.718



Tritanopia
10, 7.711, 214.414

Trichromacy



Original Color
10, 18.585, 155.890

Protanomaly
10, 11.604, 135.384

Deuteranomaly
10, 9.219, 132.304

Tritanomaly
10, 10.994, 176.943

Monochromacy



Original Color
10, 18.585, 155.890

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 6.770, 160.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 18.585, 155.890 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, 33, 16)` looks like.

```
.text, #text, p{  
    color:rgb(0, 33, 16)  
}
```

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, 33, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 33, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 18.585, 155.890 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, 33, 16) }
```

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

```
.border{ border-color:rgb(0, 33, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 33, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 33, 16); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 33, 16); box-shadow:4px  
4px 4px 4px rgb(0, 33, 16) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 18.585, 155.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 33, 16) }
```

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

```
.background{ background-color: rgb(0, 33,  
16) }
```

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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