

Converting Colors

CIELCh(12, 10.852, 191.091)

Have a look what the booklet for
CIELCh(12, 10.852, 191.091)
contains.

CIELCh(12, 11.198, 189.251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(12, 11.198, 189.251)

Conversions

Conversions Part 1

Format	Color
Hex	082422
RGB	8, 36, 34
RGB Percent	3%, 14%, 13%
CMY	0.9699, 0.8600, 0.8679
CMYK	0.78, 0.00, 0.06, 0.86
HSL	176°, 65%, 9%
HSV	176°, 78%, 14%
XYZ	1.0021, 1.4064, 1.7091
YIQ	27.4000, -16.0460, -6.5580

Conversions

Conversions Part 2

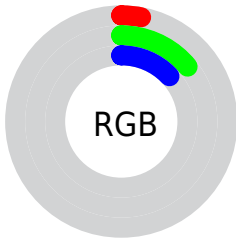
Format	Color
R_{YB}	8, 23, 36
Decimal	533538
CIE _{Lab}	12.00, -11.05, -1.80
CIE _{LCh}	12, 11.198, 189.251
Yxy	1.4064, 0.2434, 0.3416
Android (android.graphics.Color)	4278723618 (0xFF082422)
YUV	27.4000, 3.2538, -17.0138
Hunter-Lab	11.8591, -5.6702, -0.2433

Details

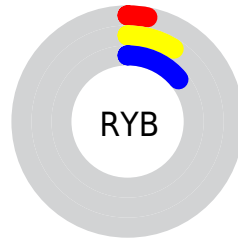
The CIELCh color **12, 11.198, 189.251** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 13.778, 16.059**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 11.355, 188.094**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 12.282, 188.777**, and if you desaturate by 10%, it is **12, 10.151, 189.788**.

Distribution



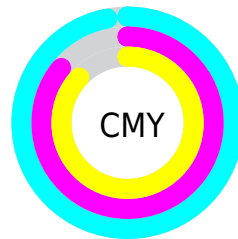
- Red (3%)
- Green (14%)
- Blue (13%)



- Red (3%)
- Yellow (9%)
- Blue (14%)



- Cyan (78%)
- Magenta (0%)
- Yellow (6%)
- Black (86%)





- Cyan (97%)
- Magenta (86%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 11.198, 189.251 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 12, 11.198, 189.251 by changing the saturation by 10% instead.

 12, 11.198,
189.251


 12, 11.198,
189.251


 100, 11.198,
189.251


 2, 11.198, 189.251


 32, 11.198,
189.251

 0, 11.198, 189.251

 42, 11.198,
189.251


 52, 11.198,
189.251


 62, 11.198,
189.251


 72, 11.198,
189.251


 82, 11.198,


189.251


 92, 11.198,
189.251

 12, 11.198,
189.251


 12, 11.198,
189.251

 12, 12.282,
188.777

 12, 10.151,
189.788

 12, 13.420,
188.360

 12, 8.996, 190.337

 12, 13.600,
188.300

 13, 7.702, 190.884

 13, 6.286, 191.431

 13, 4.763, 191.982

 13, 3.152, 192.545

■ 14, 1.468, 193.152

■ 14, 0.272, 12.964

■ 14, 2.054, 14.051

Harmonies

Complementary

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



12, 11.198, 189.251



5, 13.778, 16.059

Rectangle

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



12, 11.198, 189.251



12, 11.198, 239.251



12, 11.198, 9.251



12, 11.198, 59.251

Sweetspot

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



12, 11.198, 189.249



18, 5.006, 192.141



11, 21.729, 141.536



7, 2.980, 192.783



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



12, 11.198, 189.249



16, 15.170, 188.077



7, 10.335, 258.300



5, 0.710, 193.407



31, 23.188, 186.861



76, 45.973, 185.984

Inverse Universe

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



5, 13.778, 16.059



6, 22.650, 17.581



8, 11.059, 51.609



5, 0.711, 13.606



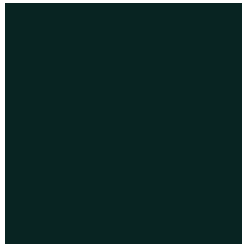
14, 40.506, 29.611



44, 87.126, 37.511

Previews

White Background



This preview shows how the CIELCh color 12, 11.198, 189.251 looks on a white background.

Color Contrast Check

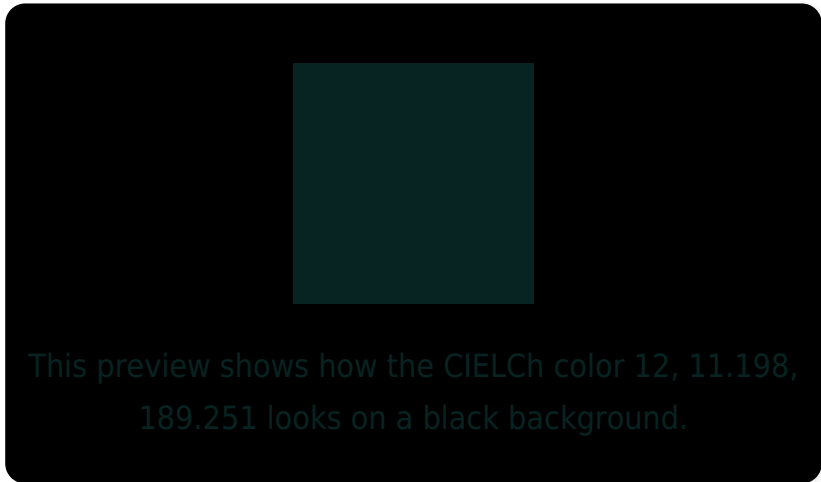
Large Text (above 18pt) WCAG AA ✓ Pass

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

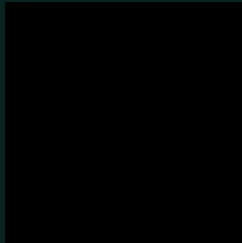
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

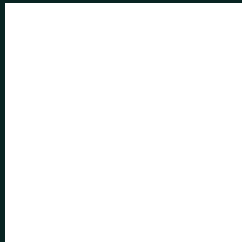
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 12, 11.198, 189.251

Background



This preview shows how black text looks on a background with the CIELCh color 12, 11.198, 189.251.



This preview shows how white text looks on a background with the CIELCh color 12, 11.198, 189.251.

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


12, 11.198, 189.251

Protanopia

12, 0.719, 109.931

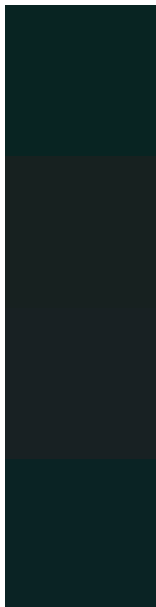
Deuteranopia

12, 3.262, 317.646



Tritanopia
12, 9.496, 210.677

Trichromacy



Original Color
12, 11.198, 189.251

Protanomaly
12, 4.776, 189.424

Deuteranomaly
12, 4.331, 218.150

Tritanomaly
12, 9.843, 201.374

Monochromacy



Original Color
12, 11.198, 189.251

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 4.819, 189.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 11.198, 189.251 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(8, 36, 34)` looks like.

```
.text, #text, p{  
    color:rgb(8, 36, 34)  
}
```

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(8, 36, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 36, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 11.198, 189.251 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(8, 36, 34) }
```

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

```
.border{ border-color:rgb(8, 36, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 36, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 36, 34); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 36, 34); box-shadow:4px  
4px 4px 4px rgb(8, 36, 34) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 11.198, 189.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 36, 34) }
```

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

```
.background{ background-color: rgb(8, 36,  
34) }
```

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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