

Converting Colors

CIELCh(16, 16.891, 151.756)

Have a look what the booklet for
CIELCh(16, 16.891, 151.756)
contains.

CIELCh(16, 16.891, 151.756)	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(16, 16.891, 151.756)

Conversions

Conversions Part 1

Format	Color
Hex	132D1C
RGB	19, 45, 28
RGB Percent	7%, 18%, 11%
CMY	0.9255, 0.8235, 0.8902
CMYK	0.58, 0.00, 0.38, 0.82
HSL	141°, 41%, 13%
HSV	141°, 58%, 18%
XYZ	1.4167, 2.0993, 1.4293
YIQ	35.2880, -10.0390, -10.7990

Conversions

Conversions Part 2

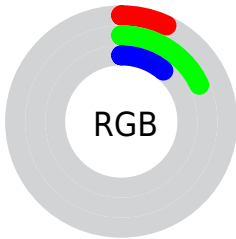
Format	Color
R_{YB}	19, 38, 45
Decimal	1256732
CIE _{Lab}	16.00, -14.88, 7.99
CIE _{LCh}	16, 16.891, 151.756
Yxy	2.0993, 0.2865, 0.4245
Android (android.graphics.Color)	4279446812 (0xFF132D1C)
YUV	35.2880, -3.5930, -14.2846
Hunter-Lab	14.4890, -7.9021, 4.2935

Details

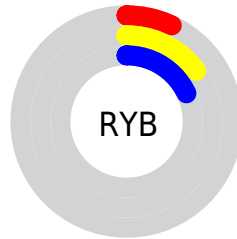
The CIELCh color **16, 16.891, 151.756** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 17.165, 340.106**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 17.249, 151.465**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 19.554, 150.648**, and if you desaturate by 10%, it is **16, 14.098, 152.747**.

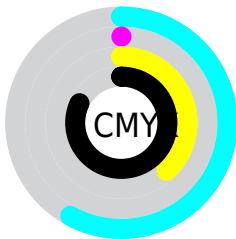
Distribution



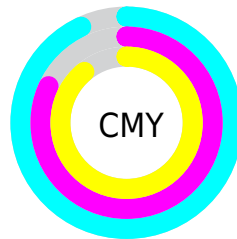
- Red (7%)
- Green (18%)
- Blue (11%)



- Red (7%)
- Yellow (15%)
- Blue (18%)



- Cyan (58%)
- Magenta (0%)
- Yellow (38%)
- Black (82%)



- Cyan (93%)
- Magenta (82%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 16.891, 151.756 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 16, 16.891, 151.756 by changing the saturation by 10% instead.

■ 16, 16.891,
151.756

■ 16, 16.891,
151.756

■ 100, 16.891,
151.756

■ 6, 16.891, 151.756

■ 36, 16.891,
151.756

■ 0, 16.891, 151.756

■ 46, 16.891,
151.756


■ 56, 16.891,
151.756


■ 66, 16.891,
151.756


■ 76, 16.891,
151.756


■ 86, 16.891,


151.756


 96, 16.891,
151.756


 16, 16.891,
151.756


 16, 16.891,
151.756

 16, 19.554,
150.648


 16, 14.098,
152.747

 15, 22.050,
149.414

 17, 11.209,
153.634


 15, 24.465,
148.310

 17, 8.261, 154.428

 15, 26.839,
147.743

 18, 5.283, 155.146

 18, 2.303, 155.815

 15, 27.356,
147.691

 19, 0.659, 336.145

■ 19, 3.584, 336.825

■ 20, 6.461, 337.318

■ 20, 9.278, 337.762

Harmonies

Complementary

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



16, 16.891, 151.756



10, 17.165, 340.106

Rectangle

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



16, 16.891, 151.756



16, 16.891, 201.756



16, 16.891, 331.756



16, 16.891, 21.756

Sweetspot

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



16, 16.891, 151.756



24, 6.317, 155.131



17, 18.002, 120.508



11, 4.275, 155.131



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



16, 16.891, 151.756



21, 24.672, 150.015



16, 11.350, 181.440



7, 1.555, 155.830



31, 44.865, 144.436



75, 90.285, 142.428

Inverse Universe

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



10, 17.165, 340.106



13, 24.853, 341.479



10, 14.224, 12.088



7, 1.535, 336.605



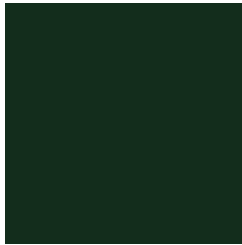
17, 41.532, 346.429



47, 78.573, 348.697

Previews

White Background



This preview shows how the CIELCh color 16, 16.891, 151.756 looks on a white background.

Color Contrast Check

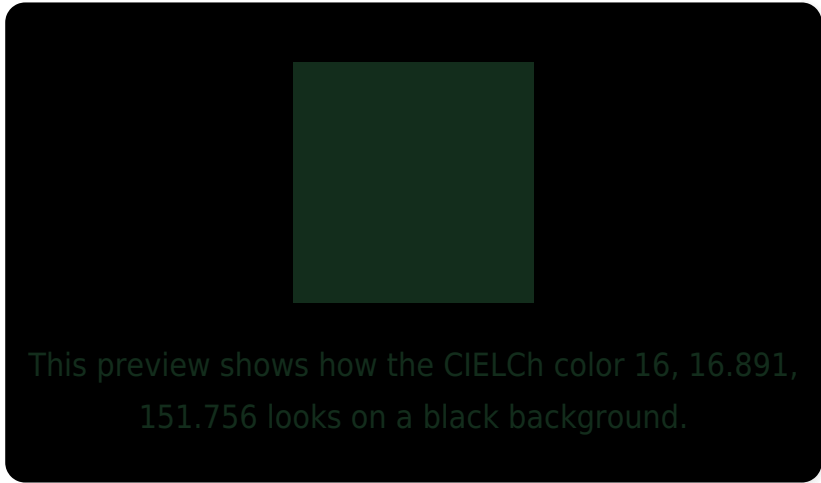
Large Text (above 18pt) WCAG AA ✓ Pass

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

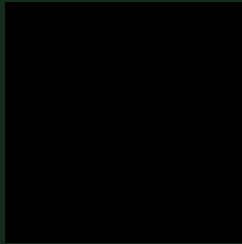
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 16.891, 151.756

Background



This preview shows how black text looks on a background with the CIELCh color 16, 16.891, 151.756.



This preview shows how white text looks on a background with the CIELCh color 16, 16.891, 151.756.

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](#).

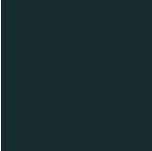
Dichromacy



Original Color
16, 16.891, 151.756

Protanopia
16, 9.836, 98.140

Deuteranopia
16, 7.393, 68.624



Tritanopia
16, 8.054, 213.099

Trichromacy



Original Color

16, 16.891, 151.756

Protanomaly

16, 11.164, 128.920

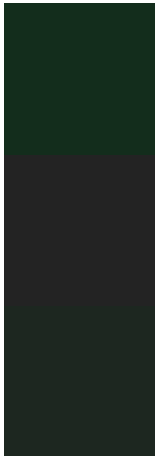
Deuteranomaly

16, 8.582, 121.770

Tritanomaly

16, 10.277, 177.188

Monochromacy



Original Color

16, 16.891, 151.756

Achromatopsia

14, 0.003, 296.813

Achromatomaly

14, 6.992, 152.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 16.891, 151.756 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(19, 45, 28)` looks like.

```
.text, #text, p{  
    color:rgb(19, 45, 28)  
}
```

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(19, 45, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 45, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 16.891, 151.756 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(19, 45, 28) }
```

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

```
.border{ border-color:rgb(19, 45, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 45, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 45, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 45, 28);  
box-shadow:4px 4px 4px 4px rgb(19, 45, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 16.891, 151.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 45, 28) }
```

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

```
.background{ background-color: rgb(19, 45,  
28) }
```

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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