

Converting Colors

CIELCh(18, 12.798, 156.661)

Have a look what the booklet for
CIELCh(18, 12.798, 156.661)
contains.

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Color

CIELCh(18, 12.798, 156.661)

Conversions

Conversions Part 1

Format	Color
Hex	1B3024
RGB	27, 48, 36
RGB Percent	11%, 19%, 14%
CMY	0.8925, 0.8101, 0.8572
CMYK	0.43, 0.00, 0.25, 0.81
HSL	146°, 28%, 15%
HSV	146°, 43%, 19%
XYZ	1.8625, 2.5180, 2.0901
YIQ	40.3530, -8.6640, -8.1840

Conversions

Conversions Part 2

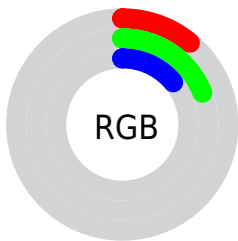
Format	Color
R_{YB}	27, 42, 48
Decimal	1781796
CIE _{Lab}	18.00, -11.75, 5.07
CIE _{LCh}	18, 12.798, 156.661
Yxy	2.5180, 0.2878, 0.3891
Android (android.graphics.Color)	4279971876 (0xFF1B3024)
YUV	40.3530, -2.1460, -11.7106
Hunter-Lab	15.8683, -6.8182, 3.2986

Details

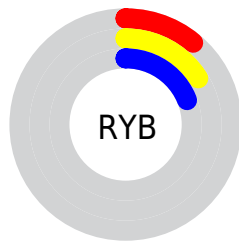
The CIELCh color **18, 12.798, 156.661** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 13.171, 343.125**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 13.012, 156.369**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 15.600, 155.658**, and if you desaturate by 10%, it is **18, 9.906, 157.561**.

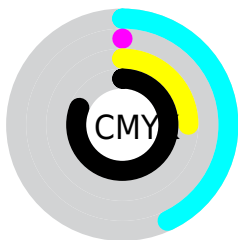
Distribution



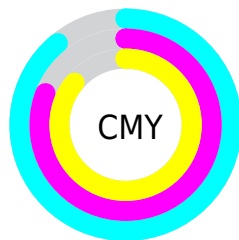
- Red (11%)
- Green (19%)
- Blue (14%)



- Red (11%)
- Yellow (16%)
- Blue (19%)



- Cyan (43%)
- Magenta (0%)
- Yellow (25%)
- Black (81%)



- Cyan (89%)
- Magenta (81%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 12.798, 156.661 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 18, 12.798, 156.661 by changing the saturation by 10% instead.

■ 18, 12.798,
156.661

■ 18, 12.798,
156.661

■ 100, 12.798,
156.661

■ 8, 12.798, 156.661

■ 38, 12.798,
156.661

■ 0, 12.798, 156.661

■ 48, 12.798,
156.661

■ 58, 12.798,
156.661


■ 68, 12.798,
156.661


■ 78, 12.798,
156.661


■ 88, 12.798,

156.661


 98, 12.798,
156.661

 18, 12.798,
156.661


 18, 12.798,
156.661

 18, 15.600,
155.658


 18, 9.906, 157.561

 17, 18.275,
154.541


 19, 6.957, 158.376

 17, 20.788,
153.297

 19, 3.981, 159.123

 17, 23.129,
151.956

 20, 1.004, 159.895

 17, 25.468,
150.873

 20, 1.954, 340.289

 21, 4.874, 340.891

 22, 7.746, 341.419

■ 17, 27.033,
150.318

■ 22, 10.559,
341.904

■ 23, 13.308,
342.354

Harmonies

Complementary

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



18, 12.798, 156.661



13, 13.171, 343.125

Rectangle

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



18, 12.798, 156.661



18, 12.798, 206.661



18, 12.798, 336.661



18, 12.798, 26.661

Sweetspot

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



18, 12.798, 156.660



26, 4.869, 159.098



19, 14.816, 124.319



12, 3.444, 159.043



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 12.798, 156.660



24, 19.104, 155.491



18, 9.030, 189.864



7, 1.466, 159.496



32, 41.815, 147.701



75, 84.194, 145.572

Inverse Universe

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



13, 13.171, 343.125



17, 19.732, 344.207



13, 11.139, 16.391



7, 1.446, 340.446



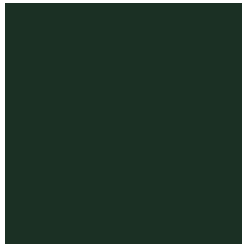
17, 39.889, 352.585



47, 75.632, 355.727

Previews

White Background



This preview shows how the CIELCh color 18, 12.798, 156.661 looks on a white background.

Color Contrast Check

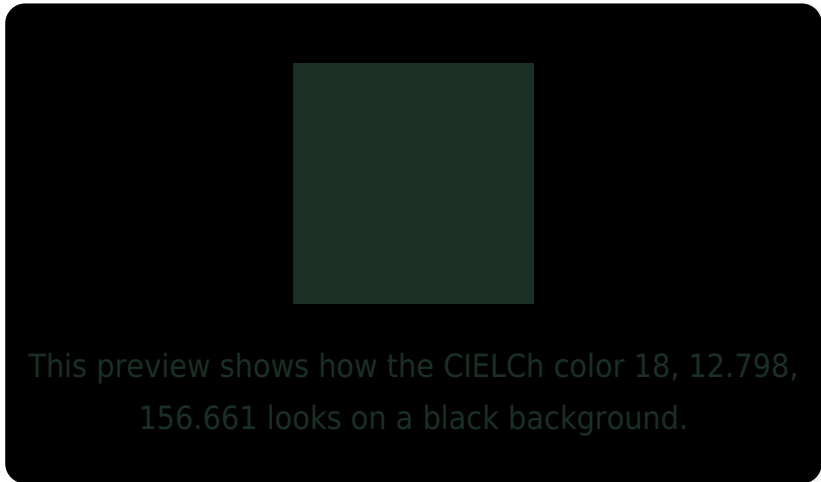
Large Text (above 18pt) WCAG AA ✓ Pass

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

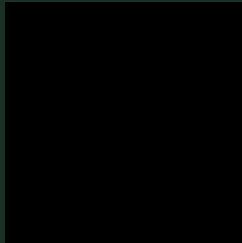
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 12.798, 156.661

Background



This preview shows how black text looks on a background with the CIELCh color 18, 12.798, 156.661.



This preview shows how white text looks on a background with the CIELCh color 18, 12.798, 156.661.

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

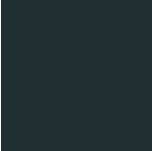
18, 12.798, 156.661

Protanopia

18, 7.029, 95.792

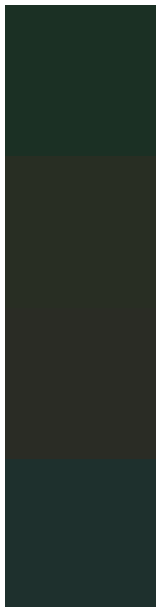
Deuteranopia

18, 4.900, 54.129



Tritanopia
18, 6.990, 215.492

Trichromacy



Original Color
18, 12.798, 156.661

Protanomaly
18, 8.110, 129.777

Deuteranomaly
18, 4.925, 120.514

Tritanomaly
18, 8.203, 183.069

Monochromacy



Original Color
18, 12.798, 156.661

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 5.188, 156.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 12.798, 156.661 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(27, 48, 36)` looks like.

```
.text, #text, p{  
    color:rgb(27, 48, 36)  
}
```

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(27, 48, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 48, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 12.798, 156.661 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(27, 48, 36) }
```

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

```
.border{ border-color:rgb(27, 48, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 48, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 48, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 48, 36);  
box-shadow:4px 4px 4px 4px rgb(27, 48, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 12.798, 156.661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 48, 36) }
```

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

```
.background{ background-color: rgb(27, 48,  
36) }
```

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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