

Converting Colors

CIELCh(10, 31.283, 186.133)

Have a look what the booklet for
CIELCh(10, 31.283, 186.133)
contains.

CIELCh(12, 15.012, 178.980)	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, 15.012, 178.980)

Conversions

Conversions Part 1

Format	Color
Hex	00251F
RGB	0, 37, 31
RGB Percent	0%, 15%, 12%
CMY	1.0000, 0.8558, 0.8793
CMYK	1.00, 0.00, 0.16, 0.86
HSL	170°, 100%, 7%
HSV	170°, 100%, 14%
XYZ	0.8974, 1.4064, 1.5060
YIQ	25.2530, -20.1260, -9.7100

Conversions

Conversions Part 2

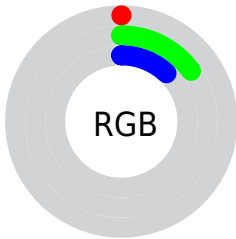
Format	Color
RYB	0, 20, 37
Decimal	9503
CIELab	12.00, -15.01, 0.27
CIELCh	12, 15.012, 178.980
Yxy	1.4064, 0.2356, 0.3691
Android (android.graphics.Color)	4278199583 (0xFF00251F)
YUV	25.2530, 2.8333, -22.1469
Hunter-Lab	11.8591, -7.2452, 0.7720

Details

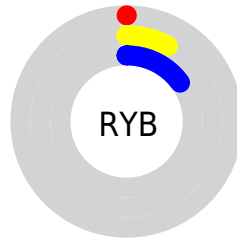
The CIELCh color **12, 15.012, 178.980** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **4, 16.932, 11.202**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **32, 14.887, 179.863**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 14.967, 178.937**, and if you desaturate by 10%, it is **12, 13.655, 179.489**.

Distribution



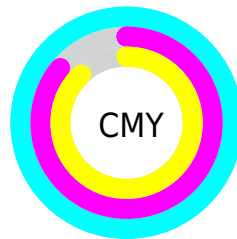
- Red (0%)
- Green (15%)
- Blue (12%)



- Red (0%)
- Yellow (8%)
- Blue (15%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (86%)



- Cyan (100%)
- Magenta (86%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 15.012, 178.980 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, 15.012, 178.980 by changing the saturation by 10% instead.

■ 12, 15.012,
178.980

■ 12, 15.012,
178.980

■ 100, 15.012,
178.980

■ 2, 15.012, 178.980

■ 32, 15.012,
178.980

■ 0, 15.012, 178.980

■ 42, 15.012,
178.980


■ 52, 15.012,
178.980


■ 62, 15.012,
178.980


■ 72, 15.012,
178.980


■ 82, 15.012,

178.980


 92, 15.012,
178.980


 12, 15.012,
178.980

 12, 15.012,
178.980

 12, 14.967,
178.937

 12, 13.655,
179.489

 12, 12.408,
180.169

 13, 11.214,
180.999

 13, 9.926, 181.837

 13, 8.504, 182.631

 13, 6.964, 183.389

■ 14, 5.326, 184.120

■ 14, 3.608, 184.832

■ 14, 1.826, 185.553

Harmonies

Complementary

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



12, 15.012, 178.980



4, 16.932, 11.202

Rectangle

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



12, 15.012, 178.980



12, 15.012, 228.980



12, 15.012, 358.980



12, 15.012, 48.980

Sweetspot

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



12, 14.967, 178.937



19, 6.706, 183.965



12, 26.228, 140.020



8, 4.471, 184.121



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



12, 14.967, 178.937



17, 17.850, 177.861



7, 11.996, 250.200



5, 0.728, 185.807



30, 25.511, 176.277



75, 51.168, 174.628

Inverse Universe

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



4, 16.932, 11.202



6, 25.290, 14.052



6, 14.106, 40.223



5, 0.727, 6.445



14, 39.325, 25.555



44, 82.385, 32.561

Previews

White Background



This preview shows how the CIELCh color 12, 15.012, 178.980 looks on a white background.

Color Contrast Check

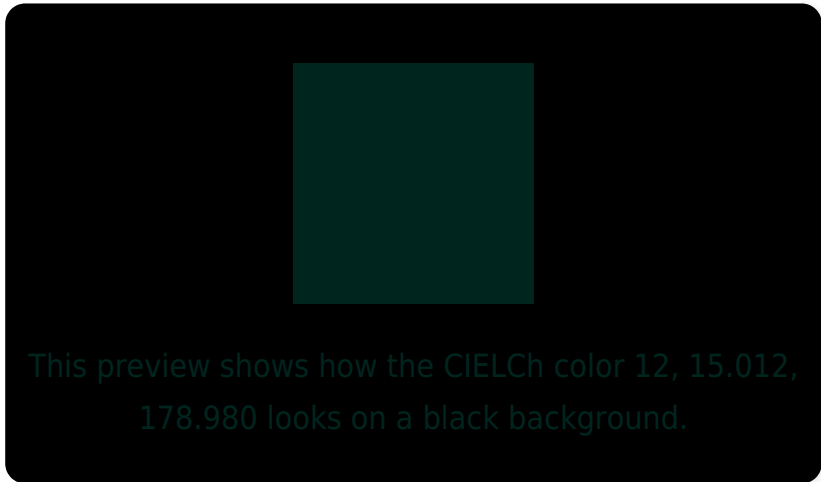
Large Text (above 18pt) WCAG AA ✓ Pass

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

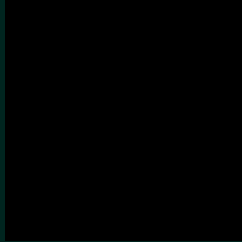
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 15.012, 178.980

Background



This preview shows how black text looks on a background with the CIELCh color 12, 15.012, 178.980.



This preview shows how white text looks on a background with the CIELCh color 12, 15.012, 178.980.

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, 15.012, 178.980

Protanopia
12, 3.057, 89.440

Deuteranopia
12, 2.629, 4.198



Tritanopia
12, 9.782, 210.195

Trichromacy



Original Color
12, 15.012, 178.980

Protanomaly
12, 6.873, 165.866

Deuteranomaly
12, 4.776, 189.424

Tritanomaly
12, 11.063, 196.826

Monochromacy



Original Color
12, 15.012, 178.980

Achromatopsia
9, 0.002, 296.813

Achromatomaly
10, 6.307, 184.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 15.012, 178.980 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, 37, 31)` looks like.

```
.text, #text, p{  
    color:rgb(0, 37, 31)  
}
```

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, 37, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 37, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 15.012, 178.980 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, 37, 31) }
```

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

```
.border{ border-color:rgb(0, 37, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 37, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 37, 31); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 37, 31); box-shadow:4px  
4px 4px 4px rgb(0, 37, 31) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 15.012, 178.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 37, 31) }
```

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

```
.background{ background-color: rgb(0, 37,  
31) }
```

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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