

Converting Colors

CIELCh(11, 24.765, 184.525)

Have a look what the booklet for
CIELCh(11, 24.765, 184.525)
contains.

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Color

CIELCh(12, 14.648, 181.582)

Conversions

Conversions Part 1

Format	Color
Hex	002520
RGB	0, 37, 32
RGB Percent	0%, 15%, 13%
CMY	1.0000, 0.8561, 0.8756
CMYK	1.00, 0.00, 0.14, 0.86
HSL	172°, 100%, 7%
HSV	172°, 100%, 14%
XYZ	0.9068, 1.4064, 1.5701
YIQ	25.3670, -20.4470, -9.3990

Conversions

Conversions Part 2

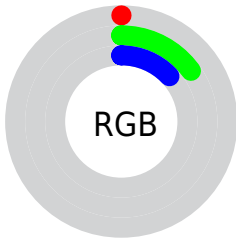
Format	Color
RYB	0, 20, 37
Decimal	9504
CIELab	12.00, -14.64, -0.40
CIELCh	12, 14.648, 181.582
Yxy	1.4064, 0.2335, 0.3622
Android (android.graphics.Color)	4278199584 (0xFF002520)
YUV	25.3670, 3.2701, -22.2469
Hunter-Lab	11.8591, -7.1039, 0.4515

Details

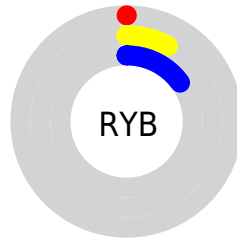
The CIELCh color **12, 14.648, 181.582** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **4, 16.815, 12.534**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **32, 14.623, 182.171**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 14.587, 181.534**, and if you desaturate by 10%, it is **12, 13.328, 182.058**.

Distribution



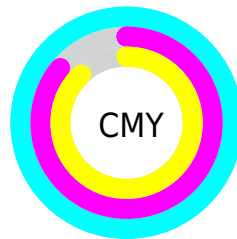
- Red (0%)
- Green (15%)
- Blue (13%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (86%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 14.648, 181.582 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, 14.648, 181.582 by changing the saturation by 10% instead.

■ 12, 14.648,
181.582

■ 12, 14.648,
181.582

■ 100, 14.648,
181.582

■ 2, 14.648, 181.582

■ 32, 14.648,
181.582

■ 0, 14.648, 181.582

■ 42, 14.648,
181.582


■ 52, 14.648,
181.582


■ 62, 14.648,
181.582


■ 72, 14.648,
181.582


■ 82, 14.648,


181.582

 92, 14.648,
181.582


 12, 14.648,
181.582

 12, 14.648,
181.582

 12, 14.587,
181.534

 12, 13.328,
182.058

 12, 12.130,
182.689

 13, 10.982,
183.447

 13, 9.738, 184.214

 13, 8.357, 184.948

 13, 6.855, 185.656

■ 13, 5.251, 186.344

■ 14, 3.562, 187.021

■ 14, 1.806, 187.713

Harmonies

Complementary

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



12, 14.648, 181.582



4, 16.815, 12.534

Rectangle

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



12, 14.648, 181.582



12, 14.648, 231.582



12, 14.648, 1.582



12, 14.648, 51.582

Sweetspot

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



12, 14.587, 181.534



19, 6.620, 186.197



12, 26.296, 140.387



8, 4.421, 186.428



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

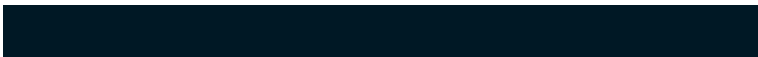
The Same Dimension uses a secret algorithm to generate beautiful new colors.



12, 14.587, 181.534



17, 17.382, 180.583



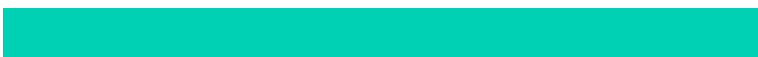
7, 12.163, 252.852



5, 0.722, 187.996



30, 24.761, 179.189



75, 49.489, 177.727

Inverse Universe

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



4, 16.815, 12.534



6, 25.308, 15.198



6, 13.968, 41.650



5, 0.721, 8.523



14, 39.680, 26.874



44, 83.867, 34.258

Previews

White Background



This preview shows how the CIELCh color 12, 14.648, 181.582 looks on a white background.

Color Contrast Check

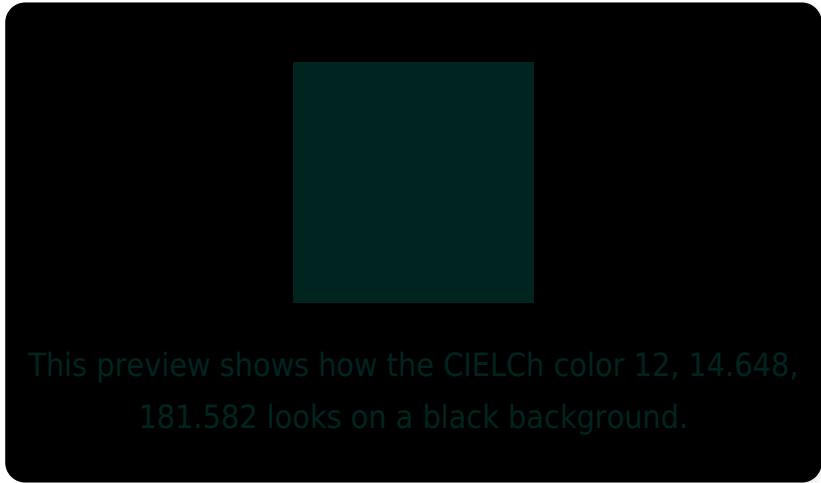
Large Text (above 18pt) WCAG AA ✓ Pass

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

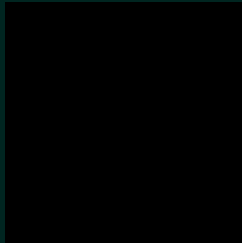
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 14.648, 181.582

Background



This preview shows how black text looks on a background with the CIELCh color 12, 14.648, 181.582.



This preview shows how white text looks on a background with the CIELCh color 12, 14.648, 181.582.

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, 14.648, 181.582

Protanopia

12, 2.388, 83.977

Deuteranopia

12, 2.473, 344.325



Tritanopia
12, 10.032, 209.816

Trichromacy



Original Color
12, 14.648, 181.582

Protanomaly
12, 6.464, 171.102

Deuteranomaly
12, 5.076, 198.157

Tritanomaly
12, 11.337, 196.765

Monochromacy



Original Color
12, 14.648, 181.582

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, 14.648, 181.582 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(0, 37, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 37, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 14.648, 181.582 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, 32) }
```

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

```
.border{ border-color:rgb(0, 37, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 37, 32); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 37, 32); box-shadow:4px  
4px 4px 4px rgb(0, 37, 32) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 14.648, 181.582 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, 32) }
```

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

```
.background{ background-color: rgb(0, 37,  
32) }
```

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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