

Converting Colors

CIELCh(13, 22.787, 171.725)

Have a look what the booklet for
CIELCh(13, 22.787, 171.725)
contains.

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Color

CIELCh(14, 18.722, 165.704)

Conversions

Conversions Part 1

Format	Color
Hex	012A1D
RGB	1, 42, 29
RGB Percent	0%, 16%, 11%
CMY	0.9978, 0.8362, 0.8874
CMYK	0.99, 0.00, 0.31, 0.84
HSL	161°, 97%, 8%
HSV	161°, 99%, 16%
XYZ	1.0446, 1.7298, 1.4222
YIQ	28.2590, -20.2630, -12.7350

Conversions

Conversions Part 2

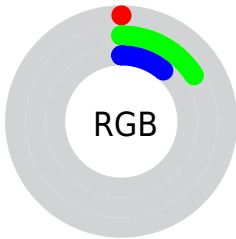
Format	Color
R_{YB}	1, 25, 42
Decimal	76317
CIE _{Lab}	14.00, -18.14, 4.62
CIE _{LCh}	14, 18.722, 165.704
Yxy	1.7298, 0.2489, 0.4122
Android (android.graphics.Color)	4278266397 (0xFF012A1D)
YUV	28.2590, 0.3653, -23.9061
Hunter-Lab	13.1521, -8.8382, 2.7951

Details

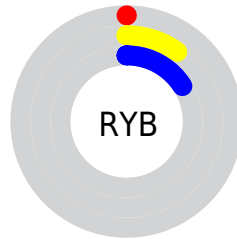
The CIELCh color **14, 18.722, 165.704** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 21.042, 4.954**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 19.032, 165.067**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 18.953, 165.613**, and if you desaturate by 10%, it is **14, 17.056, 166.485**.

Distribution



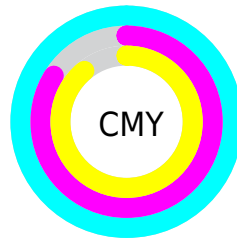
- Red (0%)
- Green (16%)
- Blue (11%)



- Red (0%)
- Yellow (10%)
- Blue (16%)



- Cyan (99%)
- Magenta (0%)
- Yellow (31%)
- Black (84%)





- Cyan (100%)
- Magenta (84%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 18.722, 165.704 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 14, 18.722, 165.704 by changing the saturation by 10% instead.

 14, 18.722,
165.704

 14, 18.722,
165.704


 100, 18.722,
165.704


 4, 18.722, 165.704


 34, 18.722,
165.704

 0, 18.722, 165.704

 44, 18.722,
165.704


 54, 18.722,
165.704


 64, 18.722,
165.704


 74, 18.722,
165.704


 84, 18.722,

165.704


 94, 18.722,
165.704


 14, 18.722,
165.704


 14, 18.722,
165.704


 14, 18.953,
165.613

 14, 17.056,
166.485

 14, 15.461,
167.500

 15, 13.872,
168.688

 15, 12.136,
169.790

 15, 10.265,
170.803

■ 15, 8.283, 171.742

■ 16, 6.214, 172.618

■ 16, 4.080, 173.445

■ 17, 1.902, 174.255

Harmonies

Complementary

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



14, 18.722, 165.704



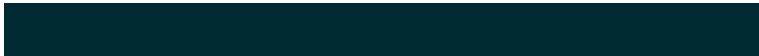
5, 21.042, 4.954

Rectangle

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



14, 18.722, 165.704



14, 18.722, 215.704



14, 18.722, 345.704



14, 18.722, 35.704

Sweetspot

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



14, 18.722, 165.703



21, 8.004, 172.351



14, 27.956, 134.515



9, 5.529, 172.325



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



14, 18.722, 165.703



19, 22.522, 164.313



12, 12.303, 221.212



6, 0.996, 174.264



31, 31.228, 162.479



75, 62.912, 160.323

Inverse Universe

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



5, 21.042, 4.954



7, 27.801, 8.366



6, 18.592, 28.491



6, 0.988, 355.345



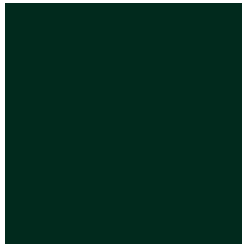
15, 38.119, 14.564



45, 75.810, 20.138

Previews

White Background



This preview shows how the CIELCh color 14, 18.722, 165.704 looks on a white background.

Color Contrast Check

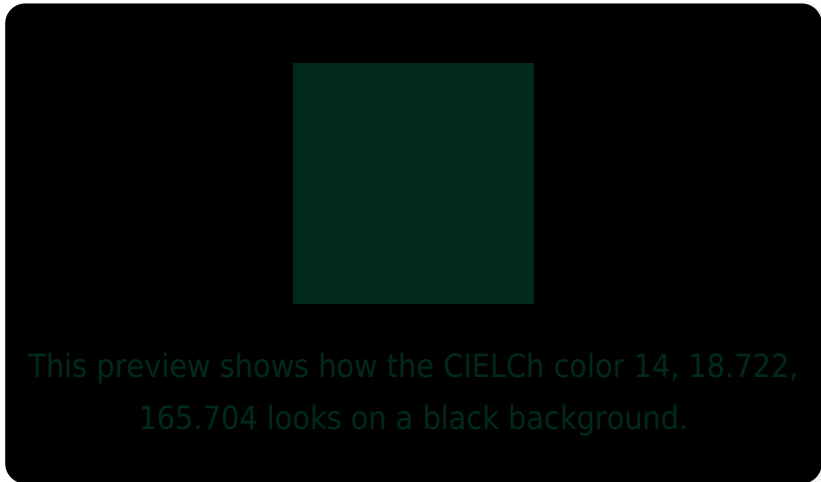
Large Text (above 18pt) WCAG AA ✓ Pass

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

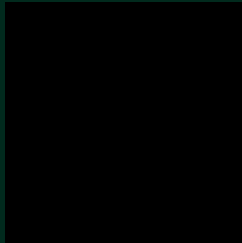
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 18.722, 165.704

Background



This preview shows how black text looks on a background with the CIELCh color 14, 18.722, 165.704.



This preview shows how white text looks on a background with the CIELCh color 14, 18.722, 165.704.

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

14, 18.625, 165.730

Protanopia

14, 7.239, 95.371

Deuteranopia

14, 5.117, 63.457



Tritanopia
14, 10.143, 209.570

Trichromacy



Original Color
14, 18.625, 165.730

Protanomaly
14, 10.167, 147.049

Deuteranomaly
14, 7.047, 152.712

Tritanomaly
14, 12.540, 186.769

Monochromacy



Original Color
14, 18.625, 165.730

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 8.019, 170.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 18.722, 165.704 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(1, 42, 29)` looks like.

```
.text, #text, p{  
    color:rgb(1, 42, 29)  
}
```

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(1, 42, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 42, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 18.722, 165.704 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(1, 42, 29) }
```

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

```
.border{ border-color:rgb(1, 42, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 42, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 42, 29); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 42, 29); box-shadow:4px  
4px 4px 4px rgb(1, 42, 29) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 18.722, 165.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 42, 29) }
```

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

```
.background{ background-color: rgb(1, 42,  
29) }
```

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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