

Converting Colors

CIELCh(13, 25.980, 171.480)

Have a look what the booklet for
CIELCh(13, 25.980, 171.480)
contains.

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Color

CIELCh(14, 19.353, 164.426)

Conversions

Conversions Part 1

Format	Color
Hex	002A1C
RGB	0, 42, 28
RGB Percent	0%, 16%, 11%
CMY	1.0000, 0.8358, 0.8906
CMYK	1.00, 0.00, 0.33, 0.84
HSL	160°, 100%, 8%
HSV	160°, 100%, 16%
XYZ	1.0306, 1.7298, 1.3709
YIQ	27.8460, -20.5380, -13.2580

Conversions

Conversions Part 2

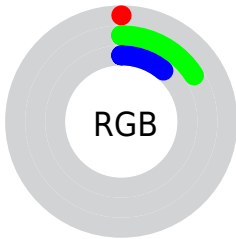
Format	Color
RYB	0, 25, 42
Decimal	10780
CIELab	14.00, -18.64, 5.20
CIELCh	14, 19.353, 164.426
Yxy	1.7298, 0.2495, 0.4187
Android (android.graphics.Color)	4278200860 (0xFF002A1C)
YUV	27.8460, 0.0759, -24.4209
Hunter-Lab	13.1521, -9.0288, 3.0262

Details

The CIELCh color **14, 19.353, 164.426** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 21.401, 4.066**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 19.430, 163.585**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 19.329, 164.389**, and if you desaturate by 10%, it is **14, 17.611, 165.147**.

Distribution



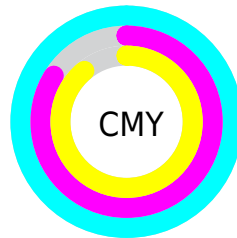
- Red (0%)
- Green (16%)
- Blue (11%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (84%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 19.353, 164.426 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, 19.353, 164.426 by changing the saturation by 10% instead.

 14, 19.353,
164.426

 14, 19.353,
164.426


 100, 19.353,
164.426

 4, 19.353, 164.426


 34, 19.353,
164.426

 0, 19.353, 164.426

 44, 19.353,
164.426


 54, 19.353,
164.426


 64, 19.353,
164.426


 74, 19.353,
164.426


 84, 19.353,


164.426


 94, 19.353,
164.426


 14, 19.353,
164.426


 14, 19.353,
164.426


 14, 19.329,
164.389

 14, 17.611,
165.147

 14, 15.965,
166.138

 15, 14.345,
167.338

 15, 12.587,
168.465

 15, 10.693,
169.500

■ 15, 8.687, 170.454

■ 16, 6.592, 171.342

■ 16, 4.431, 172.176

■ 17, 2.227, 172.983

Harmonies

Complementary

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



14, 19.353, 164.426



5, 21.401, 4.066

Rectangle

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



14, 19.353, 164.426



14, 19.353, 214.426



14, 19.353, 344.426



14, 19.353, 34.426

Sweetspot

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



14, 19.329, 164.389



21, 8.101, 171.192



14, 28.178, 134.079



9, 5.596, 171.166



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, 19.329, 164.389



19, 22.947, 163.081



12, 12.529, 218.475



6, 1.006, 173.098



31, 31.859, 161.217



75, 64.280, 159.032

Inverse Universe

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



5, 21.401, 4.066



7, 27.813, 7.306



6, 19.026, 27.510



6, 0.997, 354.192



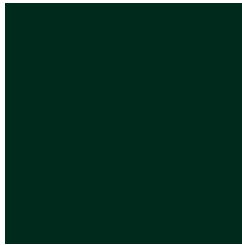
15, 37.969, 13.035



45, 75.250, 18.534

Previews

White Background



This preview shows how the CIELCh color 14, 19.353, 164.426 looks on a white background.

Color Contrast Check

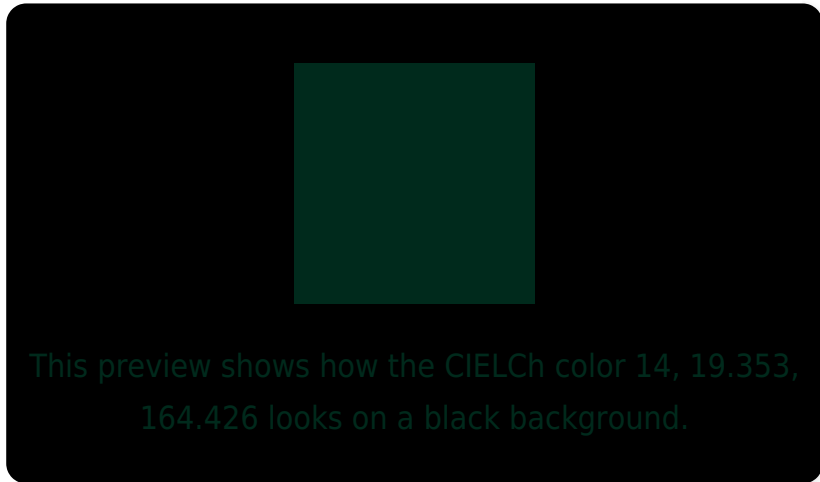
Large Text (above 18pt) WCAG AA ✓ Pass

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

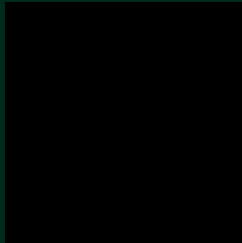
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 19.353, 164.426

Background



This preview shows how black text looks on a background with the CIELCh color 14, 19.353, 164.426.



This preview shows how white text looks on a background with the CIELCh color 14, 19.353, 164.426.

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, 19.353, 164.426

Protanopia

14, 7.239, 95.371

Deuteranopia

14, 5.655, 68.231



Tritanopia
14, 10.143, 209.570

Trichromacy



Original Color
14, 19.353, 164.426

Protanomaly
14, 10.167, 147.049

Deuteranomaly
14, 8.430, 148.310

Tritanomaly
14, 12.540, 186.769

Monochromacy



Original Color
14, 19.353, 164.426

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, 19.353, 164.426 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, 42, 28)` looks like.

```
.text, #text, p{  
    color:rgb(0, 42, 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(0, 42, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 42, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 19.353, 164.426 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, 42, 28) }
```

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

```
.border{ border-color:rgb(0, 42, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 42, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 42, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 42, 28); box-shadow:4px  
4px 4px 4px rgb(0, 42, 28) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 19.353, 164.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 42, 28) }
```

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

```
.background{ background-color: rgb(0, 42,  
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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