

Converting Colors

CIELCh(10, 49.739, 196.369)

Have a look what the booklet for
CIELCh(10, 49.739, 196.369)
contains.

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Color

CIELCh(14, 13.556, 212.128)

Conversions

Conversions Part 1

Format	Color
Hex	00282D
RGB	0, 40, 45
RGB Percent	0%, 16%, 18%
CMY	1.0000, 0.8418, 0.8222
CMYK	1.00, 0.11, 0.00, 0.82
HSL	187°, 100%, 9%
HSV	187°, 100%, 18%
XYZ	1.2439, 1.7298, 2.7858
YIQ	28.6100, -25.4450, -6.9250

Conversions

Conversions Part 2

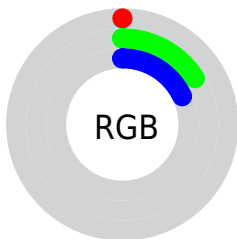
Format	Color
RYB	0, 21, 45
Decimal	10285
CIELab	14.00, -11.48, -7.21
CIELCh	14, 13.556, 212.128
Yxy	1.7298, 0.2160, 0.3003
Android (android.graphics.Color)	4278200365 (0xFF00282D)
YUV	28.6100, 8.0803, -25.0910
Hunter-Lab	13.1521, -6.1334, -3.3521

Details

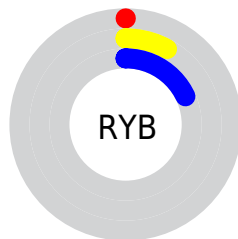
The CIELCh color **14, 13.556, 212.128** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 21.807, 25.844**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 13.458, 214.146**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 13.428, 212.302**, and if you desaturate by 10%, it is **14, 12.518, 211.874**.

Distribution



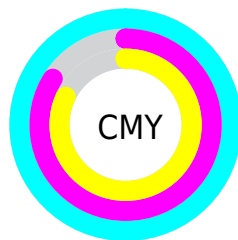
- Red (0%)
- Green (16%)
- Blue (18%)



- Red (0%)
- Yellow (8%)
- Blue (18%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (82%)





- Cyan (100%)
- Magenta (84%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 13.556, 212.128 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, 13.556, 212.128 by changing the saturation by 10% instead.

 14, 13.556,
212.128

 14, 13.556,
212.128


 100, 13.556,
212.128


 4, 13.556, 212.128


 34, 13.556,
212.128

 0, 13.556, 212.128

 44, 13.556,
212.128


 54, 13.556,
212.128


 64, 13.556,
212.128


 74, 13.556,
212.128


 84, 13.556,


212.128


 94, 13.556,
212.128


 14, 13.556,
212.128

 14, 13.556,
212.128

 14, 13.428,
212.302

 14, 12.518,
211.874

 15, 11.659,
211.293

 15, 10.769,
210.655

 16, 9.685, 210.177

 16, 8.418, 209.844

 16, 6.984, 209.636

■ 17, 5.405, 209.535

■ 17, 3.702, 209.529

■ 18, 1.894, 209.630

Harmonies

Complementary

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



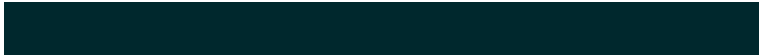
14, 13.556, 212.128



6, 21.807, 25.844

Rectangle

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



14, 13.556, 212.128



14, 13.556, 262.128



14, 13.556, 32.128



14, 13.556, 82.128

Sweetspot

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



14, 13.428, 212.302



23, 6.681, 209.545



15, 31.729, 142.087



10, 4.603, 209.550



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



14, 13.428, 212.302



19, 15.719, 213.318



6, 20.640, 281.541



7, 1.000, 210.218



29, 20.309, 214.596



71, 38.826, 216.472

Inverse Universe

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



7, 31.664, 332.108



10, 37.629, 332.447



12, 18.493, 71.299



7, 1.827, 327.683



18, 48.614, 332.760



50, 92.858, 333.221

Previews

White Background



This preview shows how the CIELCh color 14, 13.556, 212.128 looks on a white background.

Color Contrast Check

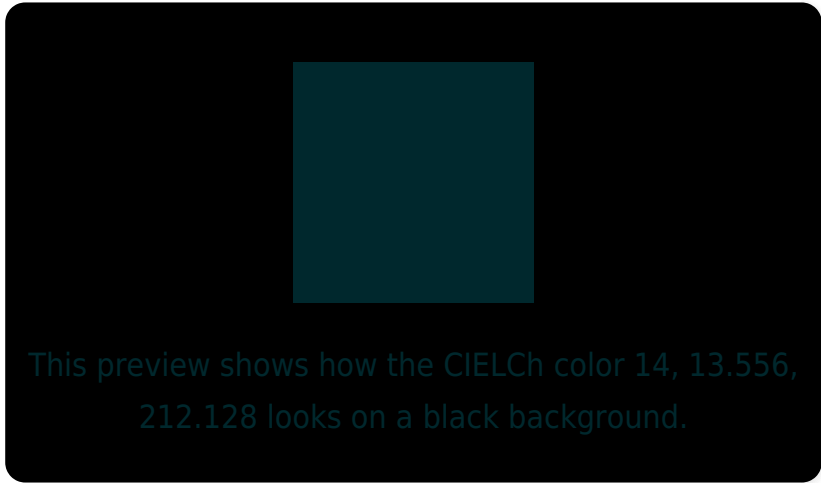
Large Text (above 18pt) WCAG AA ✓ Pass

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

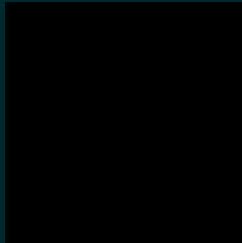
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

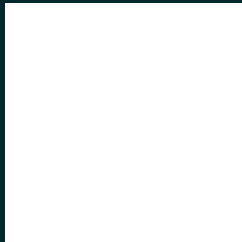
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 14, 13.556, 212.128

Background



This preview shows how black text looks on a background with the CIELCh color 14, 13.556, 212.128.

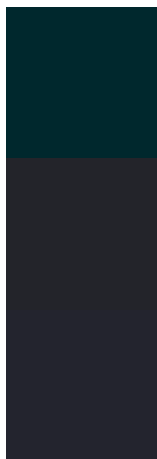


This preview shows how white text looks on a background with the CIELCh color 14, 13.556, 212.128.

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, 13.358, 212.427

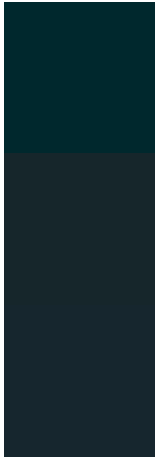
Protanopia

14, 4.282, 285.211

Deuteranopia

14, 7.108, 288.579

Trichromacy



Original Color
14, 13.358, 212.427

Protanomaly
14, 7.416, 227.045

Deuteranomaly
14, 8.397, 241.391

Monochromacy



Original Color
14, 13.358, 212.427

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 6.634, 210.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 13.556, 212.128 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, 40, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 40, 45)  
}
```

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, 40, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 40, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 13.556, 212.128 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, 40, 45) }
```

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

```
.border{ border-color:rgb(0, 40, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 40, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 40, 45); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 40, 45); box-shadow:4px  
4px 4px 4px rgb(0, 40, 45) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 13.556, 212.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 40, 45) }
```

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

```
.background{ background-color: rgb(0, 40,  
45) }
```

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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