

Converting Colors

CIELCh(27, 25.166, 187.627)

Have a look what the booklet for
CIELCh(27, 25.166, 187.627)
contains.

CIELCh(28, 21.879, 185.778)	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(28, 21.879, 185.778)

Conversions

Conversions Part 1

Format	Color
Hex	014B45
RGB	1, 75, 69
RGB Percent	0%, 29%, 27%
CMY	0.9945, 0.7062, 0.7299
CMYK	0.98, 0.00, 0.08, 0.71
HSL	175°, 96%, 15%
HSV	175°, 98%, 29%
XYZ	3.5982, 5.4574, 6.4749
YIQ	52.1900, -42.1780, -17.5540

Conversions

Conversions Part 2

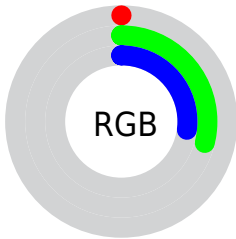
Format	Color
R_YB	1, 40, 75
Decimal	84805
CIE Lab	28.00, -21.77, -2.20
CIE LCh	28, 21.879, 185.778
Yxy	5.4574, 0.2317, 0.3514
Android (android.graphics.Color)	4278274885 (0xFF014B45)
YUV	52.1900, 8.2873, -44.8936
Hunter-Lab	23.3610, -13.3884, -0.0805

Details

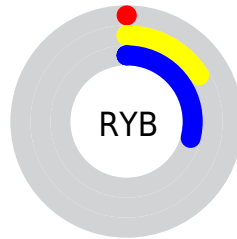
The CIELCh color **28, 21.879, 185.778** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 36.957, 27.534**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 21.720, 186.059**, and **10, 13.708, 177.283** is the 20% darker color. If you saturate the color by 10%, you get **28, 22.083, 185.644**, and if you desaturate by 10%, it is **28, 20.811, 186.523**.

Distribution



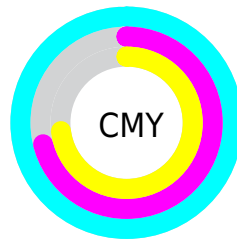
- Red (0%)
- Green (29%)
- Blue (27%)



- Red (0%)
- Yellow (16%)
- Blue (29%)



- Cyan (98%)
- Magenta (0%)
- Yellow (8%)
- Black (71%)




- Cyan (99%)
- Magenta (71%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 21.879, 185.778 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 28, 21.879, 185.778 by changing the saturation by 10% instead.

 28, 21.879,
185.778


 28, 21.879,
185.778

 100, 21.879,
185.778


 18, 21.879,
185.778


 48, 21.879,
185.778


 8, 21.879, 185.778

 58, 21.879,
185.778

 0, 21.879, 185.778

 68, 21.879,
185.778

 78, 21.879,
185.778

 88, 21.879,
185.778

 98, 21.879,

185.778

■ 28, 21.879,
185.778

■ 28, 21.879,
185.778

■ 28, 22.083,
185.644

■ 28, 20.811,
186.523

■ 28, 19.634,
187.297

■ 29, 18.101,
188.033

■ 29, 16.216,
188.740

■ 29, 14.002,
189.429

■ 30, 11.495,
190.107

■ 30, 8.735, 190.782

■ 31, 5.767, 191.462

■ 31, 2.635, 192.179

Harmonies

Complementary

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



28, 21.879, 185.778



13, 36.957, 27.534

Rectangle

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



28, 21.879, 185.778



28, 21.879, 235.778



28, 21.879, 5.778



28, 21.879, 55.778

Sweetspot

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



28, 21.879, 185.777



39, 11.090, 190.650



27, 48.102, 135.302



19, 7.460, 190.505



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



28, 21.879, 185.777



36, 26.429, 185.273



17, 22.844, 268.553



15, 1.841, 192.135



38, 27.411, 185.207



82, 49.900, 184.463

Inverse Universe

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



13, 36.957, 27.534



18, 46.730, 31.959



18, 31.900, 55.040



14, 1.919, 13.146



19, 48.802, 32.659



48, 93.171, 37.278

Previews

White Background



This preview shows how the CIELCh color 28, 21.879, 185.778 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



This preview shows how the CIELCh color 28, 21.879, 185.778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

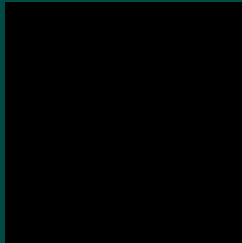
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 21.879, 185.778

Background



This preview shows how black text looks on a background with the CIELCh color 28, 21.879, 185.778.



This preview shows how white text looks on a background with the CIELCh color 28, 21.879, 185.778.

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
28, 21.937, 185.850

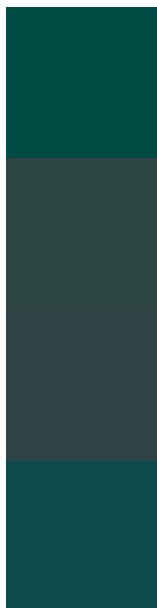
Protanopia
28, 1.566, 74.682

Deuteranopia
28, 5.503, 324.900



Tritanopia
28, 17.457, 209.976

Trichromacy



Original Color
28, 21.937, 185.850

Protanomaly
27, 10.455, 186.914

Deuteranomaly
27, 8.897, 206.520

Tritanomaly
28, 18.931, 198.608

Monochromacy



Original Color
28, 21.937, 185.850

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 10.703, 190.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 21.879, 185.778 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, 75, 69)` looks like.

```
.text, #text, p{  
    color:rgb(1, 75, 69)  
}
```

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, 75, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 75, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 21.879, 185.778 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, 75, 69) }
```

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

```
.border{ border-color:rgb(1, 75, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 75, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 75, 69); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 75, 69); box-shadow:4px  
4px 4px 4px rgb(1, 75, 69) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 21.879, 185.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 75, 69) }
```

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

```
.background{ background-color: rgb(1, 75,  
69) }
```

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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