

Converting Colors

CIELCh(28, 21.971, 187.639)

Have a look what the booklet for
CIELCh(28, 21.971, 187.639)
contains.

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Color

CIELCh(28, 21.790, 187.546)

Conversions

Conversions Part 1

Format	Color
Hex	004B46
RGB	0, 75, 70
RGB Percent	0%, 29%, 27%
CMY	1.0000, 0.7063, 0.7259
CMYK	1.00, 0.00, 0.07, 0.71
HSL	176°, 100%, 15%
HSV	176°, 100%, 29%
XYZ	3.6089, 5.4574, 6.6403
YIQ	52.0050, -43.0950, -17.4550

Conversions

Conversions Part 2

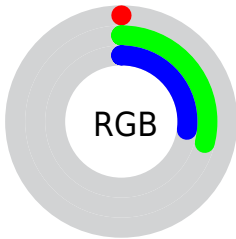
Format	Color
RYB	0, 39, 75
Decimal	19270
CIELab	28.00, -21.60, -2.86
CIELCh	28, 21.790, 187.546
Yxy	5.4574, 0.2298, 0.3475
Android (android.graphics.Color)	4278209350 (0xFF004B46)
YUV	52.0050, 8.8715, -45.6084
Hunter-Lab	23.3610, -13.3065, -0.5002

Details

The CIELCh color **28, 21.790, 187.546** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 37.682, 28.131**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 21.772, 187.669**, and **10, 13.379, 180.157** is the 20% darker color. If you saturate the color by 10%, you get **28, 21.770, 187.540**, and if you desaturate by 10%, it is **28, 20.740, 188.175**.

Distribution



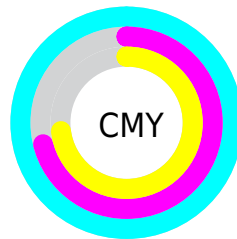
- Red (0%)
- Green (29%)
- Blue (27%)



- Red (0%)
- Yellow (15%)
- Blue (29%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (71%)




- Cyan (100%)
- Magenta (71%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 21.790, 187.546 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, 21.790, 187.546 by changing the saturation by 10% instead.

 28, 21.790,
187.546

 28, 21.790,
187.546

 100, 21.790,
187.546


 18, 21.790,
187.546


 48, 21.790,
187.546

 8, 21.790, 187.546

 58, 21.790,
187.546

 0, 21.790, 187.546

 68, 21.790,
187.546

 78, 21.790,
187.546

 88, 21.790,
187.546

 98, 21.790,

187.546

■ 28, 21.790,
187.546

■ 28, 21.790,
187.546

■ 28, 21.770,
187.540

■ 28, 20.740,
188.175

■ 28, 19.656,
188.847

■ 29, 18.232,
189.498

■ 29, 16.450,
190.131

■ 29, 14.332,
190.757

■ 30, 11.908,
191.381

■ 30, 9.220, 192.010

■ 31, 6.310, 192.649

■ 31, 3.223, 193.320

Harmonies

Complementary

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



28, 21.790, 187.546



13, 37.682, 28.131

Rectangle

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



28, 21.790, 187.546



28, 21.790, 237.546



28, 21.790, 7.546



28, 21.790, 57.546

Sweetspot

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



28, 21.770, 187.540



39, 11.376, 191.940



27, 48.701, 135.120



19, 7.609, 191.811



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, 21.770, 187.540



37, 26.041, 187.229



17, 23.238, 269.132



15, 1.835, 193.415



38, 27.005, 187.174



82, 49.096, 186.550

Inverse Universe

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



13, 37.682, 28.131



18, 47.009, 32.591



18, 32.404, 54.735



14, 1.916, 14.380



19, 49.107, 33.292



48, 93.890, 37.889

Previews

White Background



This preview shows how the CIELCh color 28, 21.790, 187.546 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, 21.790, 187.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

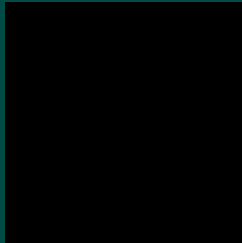
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 21.790, 187.546

Background



This preview shows how black text looks on a background with the CIELCh color 28, 21.790, 187.546.



This preview shows how white text looks on a background with the CIELCh color 28, 21.790, 187.546.

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, 21.790, 187.546

Protanopia

28, 1.099, 55.184

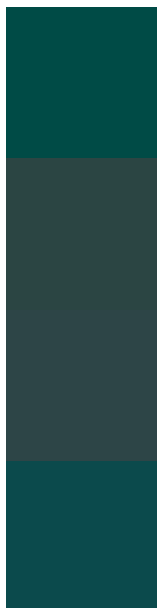
Deuteranopia

28, 5.052, 316.530



Tritanopia
28, 17.457, 209.976

Trichromacy



Original Color
28, 21.790, 187.546

Protanomaly
27, 10.621, 190.632

Deuteranomaly
27, 9.587, 205.798

Tritanomaly
28, 18.922, 200.618

Monochromacy



Original Color
28, 21.790, 187.546

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 10.876, 193.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 21.790, 187.546 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, 75, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 75, 70)  
}
```

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, 75, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 75, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 21.790, 187.546 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, 75, 70) }
```

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

```
.border{ border-color:rgb(0, 75, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 75, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 75, 70); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 75, 70); box-shadow:4px  
4px 4px 4px rgb(0, 75, 70) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 21.790, 187.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 75, 70) }
```

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

```
.background{ background-color: rgb(0, 75,  
70) }
```

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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