

Converting Colors

CIELCh(27, 29.448, 194.087)

Have a look what the booklet for
CIELCh(27, 29.448, 194.087)
contains.

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Color

CIELCh(28, 20.874, 194.548)

Conversions

Conversions Part 1

Format	Color
Hex	004B4A
RGB	0, 75, 74
RGB Percent	0%, 29%, 29%
CMY	1.0000, 0.7076, 0.7115
CMYK	1.00, 0.00, 0.01, 0.71
HSL	179°, 100%, 15%
HSV	179°, 100%, 29%
XYZ	3.6996, 5.4574, 7.2614
YIQ	52.4610, -44.3790, -16.2110

Conversions

Conversions Part 2

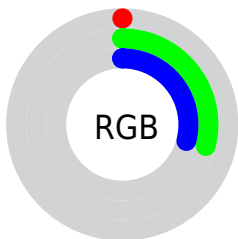
Format	Color
RYB	0, 38, 75
Decimal	19274
CIELab	28.00, -20.20, -5.24
CIELCh	28, 20.874, 194.548
Yxy	5.4574, 0.2253, 0.3324
Android (android.graphics.Color)	4278209354 (0xFF004B4A)
YUV	52.4610, 10.6187, -46.0083
Hunter-Lab	23.3610, -12.6133, -2.0766

Details

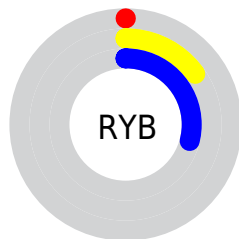
The CIELCh color **28, 20.874, 194.548** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 38.159, 30.199**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 20.707, 195.594**, and **10, 11.978, 193.041** is the 20% darker color. If you saturate the color by 10%, you get **28, 20.792, 194.551**, and if you desaturate by 10%, it is **28, 19.894, 194.786**.

Distribution



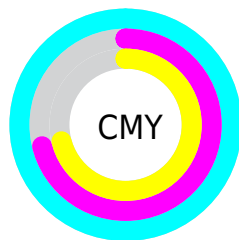
- Red (0%)
- Green (29%)
- Blue (29%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (71%)




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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 20.874, 194.548 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, 20.874, 194.548 by changing the saturation by 10% instead.

 28, 20.874,
194.548


 28, 20.874,
194.548

 100, 20.874,
194.548

 18, 20.874,
194.548


 48, 20.874,
194.548

 8, 20.874, 194.548

 58, 20.874,
194.548

 0, 20.874, 194.548

 68, 20.874,
194.548

 78, 20.874,
194.548

 88, 20.874,
194.548

 98, 20.874,

194.548

■ 28, 20.874,
194.548

■ 28, 20.874,
194.548

■ 28, 20.792,
194.551

■ 28, 19.894,
194.786

■ 28, 18.936,
195.035

■ 28, 17.638,
195.317

■ 29, 15.978,
195.638

■ 29, 13.973,
195.999

■ 29, 11.653,
196.400

■ 30, 9.053, 196.840

■ 30, 6.217, 197.321

■ 31, 3.185, 197.860

Harmonies

Complementary

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



28, 20.874, 194.548



12, 38.159, 30.199

Rectangle

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



28, 20.874, 194.548



28, 20.874, 244.548



28, 20.874, 14.548



28, 20.874, 64.548

Sweetspot

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



28, 20.792, 194.551



39, 11.206, 196.788



27, 49.056, 135.904



19, 7.491, 196.696



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, 20.792, 194.551



37, 24.899, 194.483



15, 26.164, 277.240



15, 1.821, 197.939



39, 25.812, 194.471



83, 46.743, 194.334

Inverse Universe

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



12, 38.159, 30.199



18, 48.030, 34.739



19, 31.853, 60.759



14, 1.910, 18.716



19, 50.215, 35.439



48, 96.010, 39.580

Previews

White Background



This preview shows how the CIELCh color 28, 20.874, 194.548 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, 20.874, 194.548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

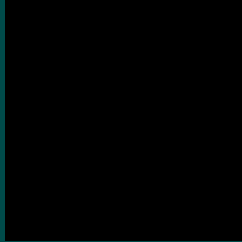
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 20.874, 194.548

Background



This preview shows how black text looks on a background with the CIELCh color 28, 20.874, 194.548.



This preview shows how white text looks on a background with the CIELCh color 28, 20.874, 194.548.

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, 20.874, 194.548

Protanopia

28, 1.376, 309.141

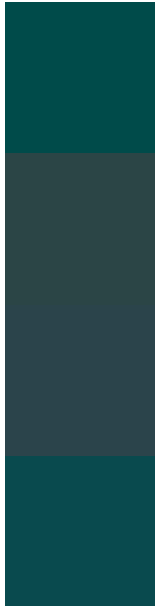
Deuteranopia

28, 7.261, 301.603



Tritanopia
28, 18.246, 209.291

Trichromacy



Original Color
28, 20.874, 194.548

Protanomaly
27, 10.296, 201.461

Deuteranomaly
27, 10.424, 224.189

Tritanomaly
28, 18.946, 204.647

Monochromacy



Original Color
28, 20.874, 194.548

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 10.752, 197.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 20.874, 194.548 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 75, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 75, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 20.874, 194.548 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, 74) }
```

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

```
.border{ border-color:rgb(0, 75, 74) }
```

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, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 75, 74); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 75, 74); box-shadow:4px  
4px 4px 4px rgb(0, 75, 74) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 20.874, 194.548 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, 74) }
```

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

```
.background{ background-color: rgb(0, 75,  
74) }
```

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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