

Converting Colors

CIELCh(28, 19.998, 175.331)

Have a look what the booklet for
CIELCh(28, 19.998, 175.331)
contains.

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Color

CIELCh(28, 20.054, 175.461)

Conversions

Conversions Part 1

Format	Color
Hex	174A3F
RGB	23, 74, 63
RGB Percent	9%, 29%, 25%
CMY	0.9093, 0.7093, 0.7525
CMYK	0.69, 0.00, 0.15, 0.71
HSL	167°, 52%, 19%
HSV	167°, 69%, 29%
XYZ	3.7136, 5.4574, 5.5770
YIQ	57.4970, -26.8650, -14.2330

Conversions

Conversions Part 2

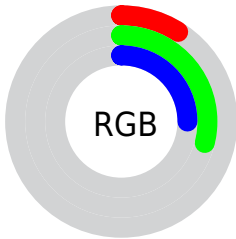
Format	Color
R_{YB}	23, 52, 74
Decimal	1526335
CIE Lab	28.00, -19.99, 1.59
CIE LCh	28, 20.054, 175.461
Yxy	5.4574, 0.2518, 0.3700
Android (android.graphics.Color)	4279716415 (0xFF174A3F)
YUV	57.4970, 2.7130, -30.2539
Hunter-Lab	23.3610, -12.5063, 2.1984

Details

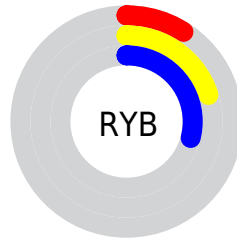
The CIELCh color **28, 20.054, 175.461** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **16, 25.843, 11.979**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 19.932, 176.377**, and **9, 14.761, 166.461** is the 20% darker color. If you saturate the color by 10%, you get **28, 21.983, 174.179**, and if you desaturate by 10%, it is **28, 17.801, 176.631**.

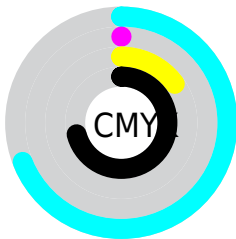
Distribution



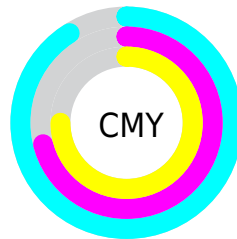
- Red (9%)
- Green (29%)
- Blue (25%)



- Red (9%)
- Yellow (20%)
- Blue (29%)



- Cyan (69%)
- Magenta (0%)
- Yellow (15%)
- Black (71%)



- Cyan (91%)
- Magenta (71%)
- Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 20.054, 175.461 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, 20.054, 175.461 by changing the saturation by 10% instead.

 28, 20.054,
175.461


 28, 20.054,
175.461

 100, 20.054,
175.461


 18, 20.054,
175.461


 48, 20.054,
175.461


 8, 20.054, 175.461

 58, 20.054,
175.461

 0, 20.054, 175.461

 68, 20.054,
175.461

 78, 20.054,
175.461

 88, 20.054,
175.461

 98, 20.054,

175.461

■ 28, 20.054,
175.461

■ 28, 20.054,
175.461

■ 28, 21.983,
174.179

■ 28, 17.801,
176.631

■ 28, 23.584,
172.779

■ 29, 15.252,
177.709

■ 27, 25.121,
171.470

■ 29, 12.449,
178.710

■ 27, 25.312,
171.323

■ 30, 9.436, 179.650

■ 30, 6.258, 180.544

■ 31, 2.961, 181.425

■ 32, 0.417, 1.545

■ 32, 3.841, 2.844

■ 33, 7.283, 3.615

Harmonies

Complementary

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



28, 20.054, 175.461



16, 25.843, 11.979

Rectangle

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



28, 20.054, 175.461



28, 20.054, 225.461



28, 20.054, 355.461



28, 20.054, 45.461

Sweetspot

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



28, 20.054, 175.460



39, 8.699, 180.277



28, 35.910, 134.743



19, 5.796, 180.166



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, 20.054, 175.460



36, 27.884, 173.143



23, 14.960, 238.304



15, 1.932, 181.432



38, 31.895, 170.423



82, 58.814, 168.976

Inverse Universe

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



16, 25.843, 11.979



20, 37.980, 17.493



20, 23.161, 47.413



14, 1.990, 2.693



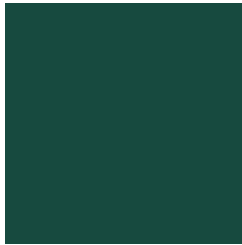
20, 45.740, 24.769



48, 85.539, 29.079

Previews

White Background



This preview shows how the CIELCh color 28, 20.054, 175.461 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, 20.054, 175.461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

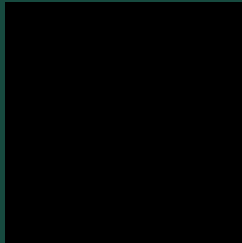
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 20.054, 175.461

Background



This preview shows how black text looks on a background with the CIELCh color 28, 20.054, 175.461.



This preview shows how white text looks on a background with the CIELCh color 28, 20.054, 175.461.

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, 20.054, 175.461

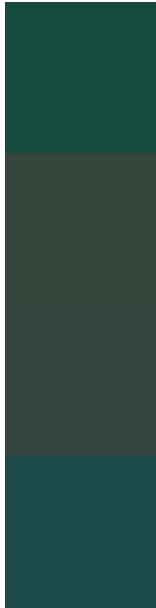
Protanopia
28, 4.716, 92.105

Deuteranopia
28, 3.687, 9.927



Tritanopia
28, 14.883, 212.628

Trichromacy



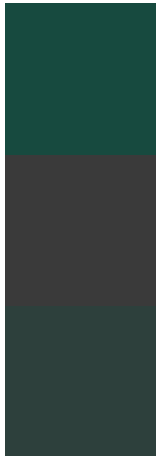
Original Color
28, 20.054, 175.461

Protanomaly
28, 9.541, 160.214

Deuteranomaly
28, 6.636, 175.267

Tritanomaly
28, 15.923, 197.015

Monochromacy



Original Color
28, 20.054, 175.461

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 8.582, 180.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 20.054, 175.461 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(23, 74, 63)` looks like.

```
.text, #text, p{  
    color:rgb(23, 74, 63)  
}
```

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(23, 74, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 74, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 20.054, 175.461 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(23, 74, 63) }
```

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

```
.border{ border-color:rgb(23, 74, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 74, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 74, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 74, 63);  
box-shadow:4px 4px 4px 4px rgb(23, 74, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 20.054, 175.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 74, 63) }
```

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

```
.background{ background-color: rgb(23, 74,  
63) }
```

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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