

Converting Colors

CIELCh(28, 19.392, 196.596)

Have a look what the booklet for
CIELCh(28, 19.392, 196.596)
contains.

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Color

CIELCh(28, 19.443, 196.535)

Conversions

Conversions Part 1

Format	Color
Hex	094A4A
RGB	9, 74, 74
RGB Percent	4%, 29%, 29%
CMY	0.9644, 0.7096, 0.7096
CMYK	0.88, 0.00, 0.00, 0.71
HSL	180°, 78%, 16%
HSV	180°, 88%, 29%
XYZ	3.8031, 5.4574, 7.3396
YIQ	54.5650, -38.7400, -13.7800

Conversions

Conversions Part 2

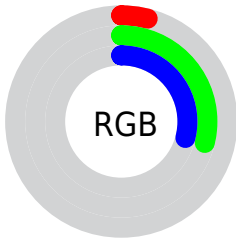
Format	Color
R _Y B	9, 42, 74
Decimal	608842
CIE Lab	28.00, -18.64, -5.53
CIE LCh	28, 19.443, 196.535
Yxy	5.4574, 0.2291, 0.3288
Android (android.graphics.Color)	4278798922 (0xFF094A4A)
YUV	54.5650, 9.5815, -39.9605
Hunter-Lab	23.3610, -11.8224, -2.2751

Details

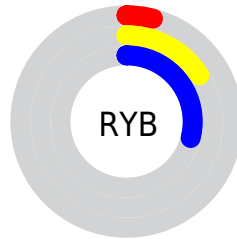
The CIELCh color **28, 19.443, 196.535** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 34.429, 30.496**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 19.278, 197.384**, and **10, 11.978, 193.041** is the 20% darker color. If you saturate the color by 10%, you get **28, 20.312, 196.412**, and if you desaturate by 10%, it is **28, 18.450, 196.674**.

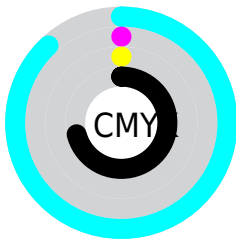
Distribution



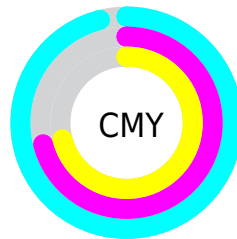
- Red (4%)
- Green (29%)
- Blue (29%)



- Red (4%)
- Yellow (16%)
- Blue (29%)



- Cyan (88%)
- Magenta (0%)
- Yellow (0%)
- Black (71%)





- Cyan (96%)
- Magenta (71%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 19.443, 196.535 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, 19.443, 196.535 by changing the saturation by 10% instead.

 28, 19.443,
196.535


 28, 19.443,
196.535

 100, 19.443,
196.535


 18, 19.443,
196.535


 48, 19.443,
196.535


 8, 19.443, 196.535

 58, 19.443,
196.535

 0, 19.443, 196.535

 68, 19.443,
196.535

 78, 19.443,
196.535

 88, 19.443,
196.535

 98, 19.443,

196.535

■ 28, 19.443,
196.535

■ 28, 19.443,
196.535

■ 28, 20.312,
196.412

■ 28, 18.450,
196.674

■ 28, 20.512,
196.384

■ 28, 17.099,
196.866

■ 29, 15.391,
197.112

■ 29, 13.343,
197.411

■ 29, 10.988,
197.761

■ 30, 8.360, 198.159

■ 30, 5.503, 198.607

■ 31, 2.457, 199.134

■ 32, 0.737, 19.151

Harmonies

Complementary

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



28, 19.443, 196.535



14, 34.429, 30.496

Rectangle

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



28, 19.443, 196.535



28, 19.443, 246.535



28, 19.443, 16.535



28, 19.443, 66.535

Sweetspot

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



28, 19.443, 196.534



39, 9.818, 198.189



27, 44.891, 137.053



19, 6.532, 198.123



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, 19.443, 196.534



37, 24.670, 196.384



17, 22.897, 273.174



15, 1.819, 199.075



39, 25.573, 196.384



83, 46.278, 196.384

Inverse Universe

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



14, 34.429, 30.496



18, 48.294, 35.260



20, 28.494, 63.112



14, 1.910, 19.798



19, 50.502, 35.960



48, 96.567, 40.000

Previews

White Background



This preview shows how the CIELCh color 28, 19.443, 196.535 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, 19.443, 196.535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

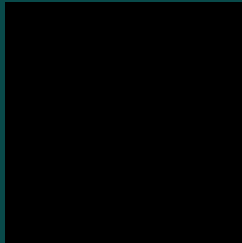
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 19.443, 196.535

Background



This preview shows how black text looks on a background with the CIELCh color 28, 19.443, 196.535.



This preview shows how white text looks on a background with the CIELCh color 28, 19.443, 196.535.

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](#).

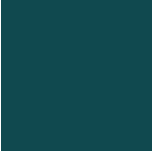
Dichromacy



Original Color
28, 19.443, 196.535

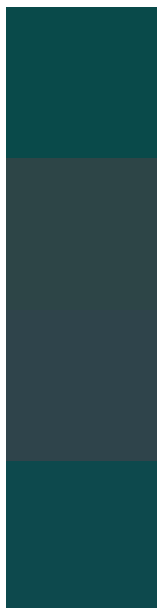
Protanopia
28, 1.945, 290.571

Deuteranopia
28, 7.999, 303.867



Tritanopia
28, 17.759, 209.712

Trichromacy



Original Color
28, 19.443, 196.535

Protanomaly
27, 9.587, 205.798

Deuteranomaly
27, 9.230, 228.023

Tritanomaly
28, 18.266, 205.033

Monochromacy



Original Color
28, 19.443, 196.535

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 9.727, 197.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 19.443, 196.535 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(9, 74, 74)` looks like.

```
.text, #text, p{  
    color:rgb(9, 74, 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(9, 74, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 74, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 19.443, 196.535 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(9, 74, 74) }
```

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

```
.border{ border-color:rgb(9, 74, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 74, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 74, 74); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 74, 74); box-shadow:4px  
4px 4px 4px rgb(9, 74, 74) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 19.443, 196.535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 74, 74) }
```

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

```
.background{ background-color: rgb(9, 74,  
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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