

Converting Colors

CIELCh(28, 18.827, 202.829)

Have a look what the booklet for
CIELCh(28, 18.827, 202.829)
contains.

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Color

CIELCh(28, 18.926, 202.632)

Conversions

Conversions Part 1

Format	Color
Hex	0A4A4D
RGB	10, 74, 77
RGB Percent	4%, 29%, 30%
CMY	0.9626, 0.7108, 0.6990
CMYK	0.88, 0.04, 0.00, 0.70
HSL	183°, 78%, 17%
HSV	183°, 88%, 30%
XYZ	3.8817, 5.4574, 7.8231
YIQ	55.2060, -39.1070, -12.6350

Conversions

Conversions Part 2

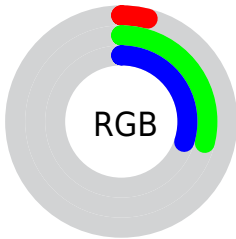
Format	Color
RYB	10, 43, 77
Decimal	674381
CIELab	28.00, -17.47, -7.28
CIELCh	28, 18.926, 202.632
Yxy	5.4574, 0.2262, 0.3180
Android (android.graphics.Color)	4278864461 (0xFF0A4A4D)
YUV	55.2060, 10.7444, -39.6457
Hunter-Lab	23.3610, -11.2217, -3.5022

Details

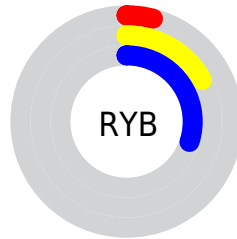
The CIELCh color **28, 18.926, 202.632** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 34.891, 32.636**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 18.786, 202.928**, and **10, 11.584, 204.136** is the 20% darker color. If you saturate the color by 10%, you get **28, 19.696, 202.957**, and if you desaturate by 10%, it is **28, 18.008, 202.336**.

Distribution



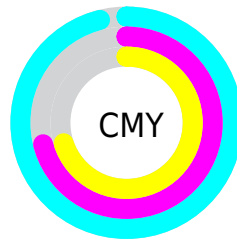
- Red (4%)
- Green (29%)
- Blue (30%)



- Red (4%)
- Yellow (17%)
- Blue (30%)



- Cyan (88%)
- Magenta (4%)
- Yellow (0%)
- Black (70%)





- Cyan (96%)
- Magenta (71%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 18.926, 202.632 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, 18.926, 202.632 by changing the saturation by 10% instead.

 28, 18.926,
202.632


 28, 18.926,
202.632

 100, 18.926,
202.632

 18, 18.926,
202.632


 48, 18.926,
202.632


 8, 18.926, 202.632

 58, 18.926,
202.632

 0, 18.926, 202.632

 68, 18.926,
202.632

 78, 18.926,
202.632

 88, 18.926,
202.632

 98, 18.926,

202.632

■ 28, 18.926,
202.632

■ 28, 18.926,
202.632

■ 28, 19.696,
202.957

■ 28, 18.008,
202.336

■ 28, 19.887,
203.029

■ 29, 16.721,
202.162

■ 29, 15.068,
202.101

■ 30, 13.072,
202.139

■ 30, 10.764,
202.268

■ 31, 8.183, 202.476

■ 31, 5.372, 202.759

■ 32, 2.373, 203.143

■ 33, 0.776, 23.028

Harmonies

Complementary

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



28, 18.926, 202.632



15, 34.891, 32.636

Rectangle

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



28, 18.926, 202.632



28, 18.926, 252.632



28, 18.926, 22.632



28, 18.926, 72.632

Sweetspot

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



28, 18.926, 202.631



40, 9.581, 202.491



28, 45.516, 137.802



20, 6.510, 202.447



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



28, 18.926, 202.631



36, 23.732, 203.288



16, 25.635, 278.569



15, 1.739, 203.092



37, 24.154, 203.310



80, 43.547, 203.844

Inverse Universe

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



17, 43.687, 329.557



22, 56.052, 329.979



22, 29.460, 67.844



14, 3.213, 326.065



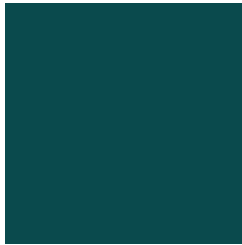
23, 57.052, 329.985



54, 102.998, 330.117

Previews

White Background



This preview shows how the CIE LCh color 28, 18.926, 202.632 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, 18.926, 202.632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

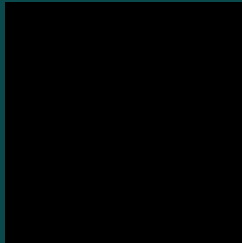
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

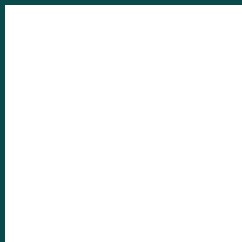
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 18.926, 202.632

Background



This preview shows how black text looks on a background with the CIELCh color 28, 18.926, 202.632.



This preview shows how white text looks on a background with the CIELCh color 28, 18.926, 202.632.

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, 18.926, 202.632

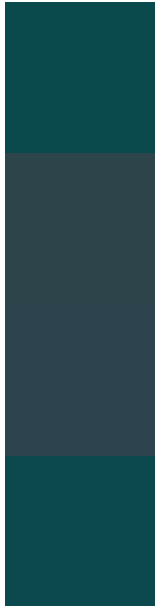
Protanopia
28, 3.885, 290.938

Deuteranopia
28, 9.091, 294.523



Tritanopia
28, 18.166, 209.367

Trichromacy



Original Color
28, 18.926, 202.632

Protanomaly
28, 9.785, 217.576

Deuteranomaly
27, 10.647, 236.218

Tritanomaly
28, 18.330, 207.106

Monochromacy



Original Color
28, 18.926, 202.632

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 9.657, 201.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 18.926, 202.632 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(10, 74, 77)` looks like.

```
.text, #text, p{  
    color:rgb(10, 74, 77)  
}
```

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(10, 74, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 74, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 18.926, 202.632 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(10, 74, 77) }
```

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

```
.border{ border-color:rgb(10, 74, 77) }
```

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

Here you see how a box with a 4 pixel rgb(10, 74, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 74, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 74, 77);  
box-shadow:4px 4px 4px 4px rgb(10, 74, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 18.926, 202.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 74, 77) }
```

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

```
.background{ background-color: rgb(10, 74,  
77) }
```

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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