

Converting Colors

CIELCh(28, 18.357, 194.630)

Have a look what the booklet for
CIELCh(28, 18.357, 194.630)
contains.

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Color

CIELCh(28, 18.357, 194.630)

Conversions

Conversions Part 1

Format	Color
Hex	124A49
RGB	18, 74, 73
RGB Percent	7%, 29%, 29%
CMY	0.9311, 0.7110, 0.7149
CMYK	0.76, 0.00, 0.01, 0.71
HSL	179°, 61%, 18%
HSV	179°, 76%, 29%
XYZ	3.8619, 5.4574, 7.0996
YIQ	57.1420, -33.0550, -12.1830

Conversions

Conversions Part 2

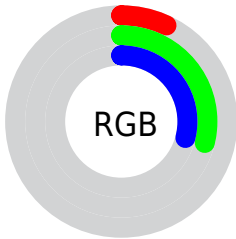
Format	Color
RYB	18, 46, 74
Decimal	1198665
CIELab	28.00, -17.76, -4.64
CIELCh	28, 18.357, 194.630
Yxy	5.4574, 0.2352, 0.3324
Android (android.graphics.Color)	4279388745 (0xFF124A49)
YUV	57.1420, 7.8180, -34.3275
Hunter-Lab	23.3610, -11.3730, -1.6660

Details

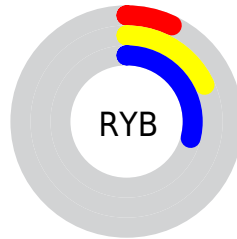
The CIELCh color **28, 18.357, 194.630** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 30.199, 28.482**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 18.401, 193.753**, and **10, 12.180, 189.548** is the 20% darker color. If you saturate the color by 10%, you get **28, 19.436, 194.332**, and if you desaturate by 10%, it is **28, 16.919, 194.957**.

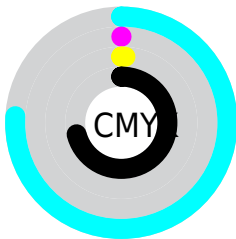
Distribution



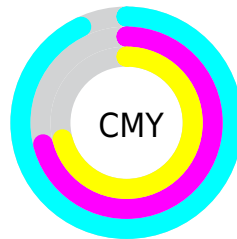
- Red (7%)
- Green (29%)
- Blue (29%)



- Red (7%)
- Yellow (18%)
- Blue (29%)



- Cyan (76%)
- Magenta (0%)
- Yellow (1%)
- Black (71%)





- Cyan (93%)
- Magenta (71%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 18.357, 194.630 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, 18.357, 194.630 by changing the saturation by 10% instead.

 28, 18.357,
194.630


 28, 18.357,
194.630

 100, 18.357,
194.630


 18, 18.357,
194.630


 48, 18.357,
194.630


 8, 18.357, 194.630

 58, 18.357,
194.630

 0, 18.357, 194.630

 68, 18.357,
194.630

 78, 18.357,
194.630

 88, 18.357,
194.630

 98, 18.357,

194.630

■ 28, 18.357,
194.630

■ 28, 18.357,
194.630

■ 28, 19.436,
194.332

■ 28, 16.919,
194.957

■ 28, 20.338,
194.055

■ 29, 15.129,
195.319

■ 28, 20.692,
193.952

■ 29, 13.008,
195.717

■ 29, 10.591,
196.152

■ 30, 7.914, 196.623

■ 30, 5.021, 197.134

■ 31, 1.953, 197.736

■ 32, 1.251, 17.921

■ 32, 4.555, 18.633

Harmonies

Complementary

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



28, 18.357, 194.630



15, 30.199, 28.482

Rectangle

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



28, 18.357, 194.630



28, 18.357, 244.630



28, 18.357, 14.630



28, 18.357, 64.630

Sweetspot

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



28, 18.357, 194.629



39, 8.794, 196.733



27, 40.594, 137.815



19, 5.970, 196.637



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, 18.357, 194.629



37, 24.228, 194.100



19, 19.503, 267.038



14, 1.718, 197.571



38, 25.440, 193.848



82, 46.516, 193.662

Inverse Universe

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



15, 30.199, 28.482



19, 44.812, 33.566



21, 24.866, 63.610



13, 1.799, 18.343



19, 49.035, 34.926



47, 95.016, 39.435

Previews

White Background



This preview shows how the CIELCh color 28, 18.357, 194.630 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, 18.357, 194.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

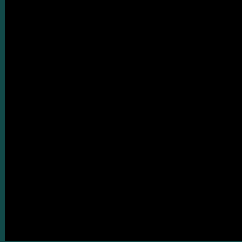
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 18.357, 194.630

Background



This preview shows how black text looks on a background with the CIELCh color 28, 18.357, 194.630.



This preview shows how white text looks on a background with the CIELCh color 28, 18.357, 194.630.

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](#).

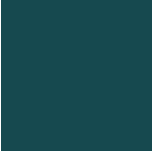
Dichromacy



Original Color
28, 18.357, 194.630

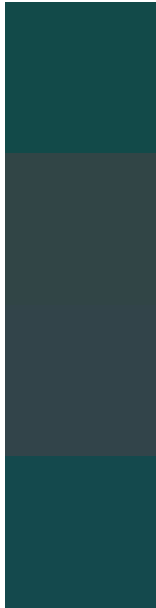
Protanopia
28, 1.376, 309.141

Deuteranopia
28, 7.368, 304.886



Tritanopia
28, 16.780, 210.599

Trichromacy



Original Color
28, 18.357, 194.630

Protanomaly
28, 8.169, 202.733

Deuteranomaly
28, 8.054, 227.530

Tritanomaly
28, 17.195, 205.695

Monochromacy



Original Color
28, 18.357, 194.630

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 8.279, 198.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 18.357, 194.630 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(18, 74, 73)` looks like.

```
.text, #text, p{  
    color:rgb(18, 74, 73)  
}
```

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(18, 74, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 74, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 18.357, 194.630 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(18, 74, 73) }
```

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

```
.border{ border-color:rgb(18, 74, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 74, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 74, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 74, 73);  
box-shadow:4px 4px 4px 4px rgb(18, 74, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 18.357, 194.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 74, 73) }
```

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

```
.background{ background-color: rgb(18, 74,  
73) }
```

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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