

Converting Colors

CIELCh(18, 18.154, 249.280)

Have a look what the booklet for
CIELCh(18, 18.154, 249.280)
contains.

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Color

CIELCh(18, 17.948, 248.774)

Conversions

Conversions Part 1

Format	Color
Hex	003044
RGB	0, 48, 68
RGB Percent	0%, 19%, 27%
CMY	1.0000, 0.8123, 0.7339
CMYK	1.00, 0.29, 0.00, 0.73
HSL	198°, 100%, 13%
HSV	198°, 100%, 27%
XYZ	2.0889, 2.5180, 5.8229
YIQ	35.9280, -35.0280, -3.9560

Conversions

Conversions Part 2

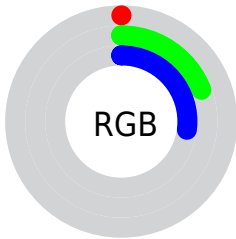
Format	Color
RYB	0, 28, 68
Decimal	12356
CIELab	18.00, -6.50, -16.73
CIELCh	18, 17.948, 248.774
Yxy	2.5180, 0.2003, 0.2414
Android (android.graphics.Color)	4278202436 (0xFF003044)
YUV	35.9280, 15.8115, -31.5089
Hunter-Lab	15.8683, -4.2722, -10.6487

Details

The CIELCh color **18, 17.948, 248.774** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 30.590, 44.130**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 17.799, 248.339**, and **1, 12.512, 288.908** is the 20% darker color. If you saturate the color by 10%, you get **18, 17.932, 248.839**, and if you desaturate by 10%, it is **19, 16.709, 246.042**.

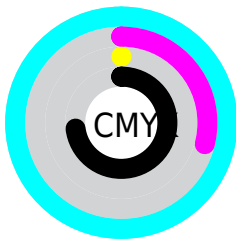
Distribution



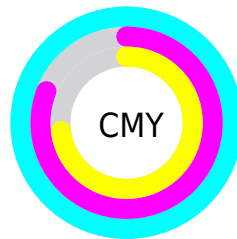
- Red (0%)
- Green (19%)
- Blue (27%)



- Red (0%)
- Yellow (11%)
- Blue (27%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (73%)



- Cyan (100%)
- Magenta (81%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.948, 248.774 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 18, 17.948, 248.774 by changing the saturation by 10% instead.

■ 18, 17.948,
248.774

■ 18, 17.948,
248.774

■ 100, 17.948,
248.774

■ 8, 17.948, 248.774

■ 38, 17.948,
248.774

■ 0, 17.948, 248.774

■ 48, 17.948,
248.774


■ 58, 17.948,
248.774


■ 68, 17.948,
248.774


■ 78, 17.948,
248.774


■ 88, 17.948,


248.774


 98, 17.948,
248.774


 18, 17.948,
248.774


 18, 17.948,
248.774


 18, 17.932,
248.839

 19, 16.709,
246.042

 20, 15.539,
242.902

 21, 14.209,
240.167

 22, 12.678,
237.905

 23, 10.950,
236.054

■ 24, 9.039, 234.550

■ 25, 6.966, 233.337

■ 26, 4.753, 232.367

■ 28, 2.425, 231.619

Harmonies

Complementary

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



18, 17.948, 248.774



14, 30.590, 44.130

Rectangle

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



18, 17.948, 248.774



18, 17.948, 298.774



18, 17.948, 68.774



18, 17.948, 118.774

Sweetspot

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



18, 17.932, 248.839



33, 8.717, 233.478



24, 39.101, 143.174



16, 5.967, 233.705



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



18, 17.932, 248.839



25, 21.907, 251.092



7, 39.411, 297.976



12, 1.326, 231.530



27, 23.291, 251.678



62, 44.340, 255.798

Inverse Universe

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



12, 36.536, 342.221



18, 43.654, 343.004



23, 31.882, 88.403



12, 2.383, 334.532



20, 46.131, 343.213



50, 83.900, 344.759

Previews

White Background



This preview shows how the CIE LCh color 18, 17.948, 248.774 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 18, 17.948, 248.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

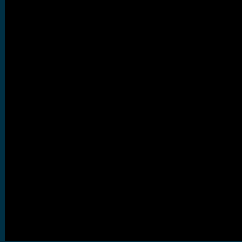
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 17.948, 248.774

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.948, 248.774.



This preview shows how white text looks on a background with the CIELCh color 18, 17.948, 248.774.

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

18, 17.948, 248.774

Protanopia

18, 14.564, 284.561

Deuteranopia

18, 16.849, 279.326



Tritanopia
18, 15.459, 204.355

Trichromacy



Original Color
18, 17.948, 248.774

Protanomaly
18, 15.797, 266.687

Deuteranomaly
18, 17.318, 266.163

Tritanomaly
18, 15.252, 221.327

Monochromacy



Original Color
18, 17.948, 248.774

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 8.632, 239.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.948, 248.774 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, 48, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 48, 68)  
}
```

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, 48, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 48, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.948, 248.774 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, 48, 68) }
```

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

```
.border{ border-color:rgb(0, 48, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 48, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 48, 68); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 48, 68); box-shadow:4px  
4px 4px 4px rgb(0, 48, 68) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.948, 248.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 48, 68) }
```

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

```
.background{ background-color: rgb(0, 48,  
68) }
```

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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