

Converting Colors

CIELCh(18, 17.908, 180.818)

Have a look what the booklet for
CIELCh(18, 17.908, 180.818)
contains.

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Color

CIELCh(18, 17.998, 180.284)

Conversions

Conversions Part 1

Format	Color
Hex	00332C
RGB	0, 51, 44
RGB Percent	0%, 20%, 17%
CMY	1.0000, 0.8012, 0.8286
CMYK	1.00, 0.00, 0.14, 0.80
HSL	172°, 100%, 10%
HSV	172°, 100%, 20%
XYZ	1.6154, 2.5180, 2.7543
YIQ	34.9530, -28.1490, -12.9890

Conversions

Conversions Part 2

Format	Color
RYB	0, 27, 51
Decimal	13100
CIELab	18.00, -18.00, -0.09
CIELCh	18, 17.998, 180.284
Yxy	2.5180, 0.2345, 0.3656
Android (android.graphics.Color)	4278203180 (0xFF00332C)
YUV	34.9530, 4.4602, -30.6538
Hunter-Lab	15.8683, -9.5981, 0.8169

Details

The CIELCh color **18, 17.998, 180.284** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 26.578, 15.912**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.231, 179.345**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 17.936, 180.240**, and if you desaturate by 10%, it is **18, 16.673, 181.000**.

Distribution



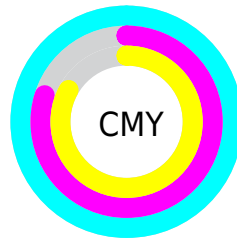
- Red (0%)
- Green (20%)
- Blue (17%)



- Red (0%)
- Yellow (11%)
- Blue (20%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (80%)




- Cyan (100%)
- Magenta (80%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.998, 180.284 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, 17.998, 180.284 by changing the saturation by 10% instead.

 18, 17.998,
180.284

 18, 17.998,
180.284


 100, 17.998,
180.284


 8, 17.998, 180.284


 38, 17.998,
180.284

 0, 17.998, 180.284

 48, 17.998,
180.284

 58, 17.998,
180.284


 68, 17.998,
180.284

 78, 17.998,
180.284


 88, 17.998,


180.284


 98, 17.998,
180.284


 18, 17.998,
180.284


 18, 17.998,
180.284


 18, 17.936,
180.240

 18, 16.673,
181.000

 18, 15.462,
181.885

 19, 14.153,
182.802

 19, 12.619,
183.662

 19, 10.878,
184.478

■ 19, 8.956, 185.258

■ 20, 6.879, 186.012

■ 20, 4.676, 186.750

■ 21, 2.374, 187.496

Harmonies

Complementary

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



18, 17.998, 180.284



6, 26.578, 15.912

Rectangle

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



18, 17.998, 180.284



18, 17.998, 230.284



18, 17.998, 0.284



18, 17.998, 50.284

Sweetspot

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



18, 17.936, 180.240



26, 8.586, 185.892



17, 35.285, 136.302



12, 5.722, 185.841



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 17.936, 180.240



24, 21.478, 179.475



11, 15.540, 255.169



9, 1.321, 187.636



33, 26.440, 178.779



78, 50.982, 177.460

Inverse Universe

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



6, 26.578, 15.912



10, 33.404, 22.474



10, 21.560, 45.004



8, 1.364, 8.567



16, 42.710, 28.272



45, 86.158, 34.256

Previews

White Background



This preview shows how the CIE LCh color 18, 17.998, 180.284 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, 17.998, 180.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

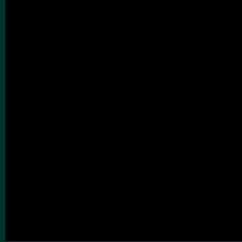
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 17.998, 180.284

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.998, 180.284.



This preview shows how white text looks on a background with the CIELCh color 18, 17.998, 180.284.

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

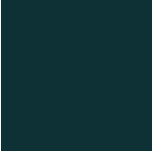
18, 17.998, 180.284

Protanopia

18, 3.458, 101.145

Deuteranopia

18, 3.192, 354.597



Tritanopia
18, 12.570, 209.949

Trichromacy



Original Color
18, 17.998, 180.284

Protanomaly
18, 9.175, 170.563

Deuteranomaly
18, 6.665, 192.036

Tritanomaly
18, 14.156, 196.702

Monochromacy



Original Color
18, 17.998, 180.284

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 8.671, 183.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.998, 180.284 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, 51, 44)` looks like.

```
.text, #text, p{  
    color:rgb(0, 51, 44)  
}
```

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, 51, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 51, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.998, 180.284 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, 51, 44) }
```

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

```
.border{ border-color:rgb(0, 51, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 51, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 51, 44); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 51, 44); box-shadow:4px  
4px 4px 4px rgb(0, 51, 44) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.998, 180.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 51, 44) }
```

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

```
.background{ background-color: rgb(0, 51,  
44) }
```

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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