

Converting Colors

CIELCh(18, 16.854, 242.351)

Have a look what the booklet for
CIELCh(18, 16.854, 242.351)
contains.

CIELCh(18, 16.854, 242.351)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 16.854, 242.351)

Conversions

Conversions Part 1

Format	Color
Hex	003041
RGB	0, 48, 65
RGB Percent	0%, 19%, 25%
CMY	0.9989, 0.8109, 0.7442
CMYK	1.00, 0.26, 0.00, 0.74
HSL	196°, 99%, 13%
HSV	196°, 100%, 26%
XYZ	2.0302, 2.5180, 5.4153
YIQ	35.5860, -34.0650, -4.8890

Conversions

Conversions Part 2

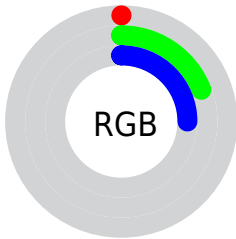
Format	Color
RYB	0, 28, 65
Decimal	12353
CIELab	18.00, -7.82, -14.93
CIELCh	18, 16.854, 242.351
Yxy	2.5180, 0.2038, 0.2527
Android (android.graphics.Color)	4278202433 (0xFF003041)
YUV	35.5860, 14.5011, -31.2089
Hunter-Lab	15.8683, -4.9319, -9.1256

Details

The CIELCh color **18, 16.854, 242.351** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 29.689, 41.406**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 16.871, 242.526**, and **1, 10.980, 288.731** is the 20% darker color. If you saturate the color by 10%, you get **18, 16.900, 242.448**, and if you desaturate by 10%, it is **19, 15.784, 239.866**.

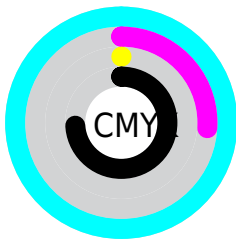
Distribution



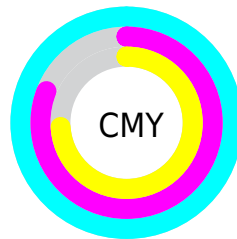
- Red (0%)
- Green (19%)
- Blue (25%)



- Red (0%)
- Yellow (11%)
- Blue (25%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (74%)





- Cyan (100%)
- Magenta (81%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 16.854, 242.351 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, 16.854, 242.351 by changing the saturation by 10% instead.

 18, 16.854,
242.351


 18, 16.854,
242.351


 100, 16.854,
242.351


 8, 16.854, 242.351


 38, 16.854,
242.351

 0, 16.854, 242.351

 48, 16.854,
242.351


 58, 16.854,
242.351


 68, 16.854,
242.351


 78, 16.854,
242.351


 88, 16.854,


242.351


 98, 16.854,
242.351


 18, 16.854,
242.351


 18, 16.854,
242.351


 18, 16.900,
242.448

 19, 15.784,
239.866

 20, 14.756,
237.079

 20, 13.549,
234.672

 21, 12.124,
232.705

 22, 10.489,
231.114

■ 23, 8.662, 229.839

■ 24, 6.665, 228.825

■ 25, 4.524, 228.032

■ 27, 2.261, 227.446

Harmonies

Complementary

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



18, 16.854, 242.351



13, 29.689, 41.406

Rectangle

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



18, 16.854, 242.351



18, 16.854, 292.351



18, 16.854, 62.351



18, 16.854, 112.351

Sweetspot

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



18, 16.854, 242.351



32, 8.318, 228.978



23, 38.735, 142.333



15, 5.696, 229.150



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



18, 16.854, 242.351



24, 20.242, 244.476



7, 36.312, 296.145



12, 1.334, 227.400



28, 22.427, 245.444



64, 42.296, 249.351

Inverse Universe

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



12, 36.261, 340.129



17, 42.869, 340.793



21, 30.010, 85.804



12, 2.439, 333.240



20, 47.114, 341.100



50, 85.758, 342.396

Previews

White Background



This preview shows how the CIELCh color 18, 16.854, 242.351 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, 16.854, 242.351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

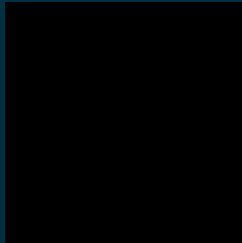
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

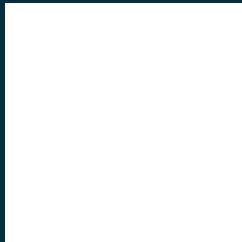
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 16.854, 242.351

Background



This preview shows how black text looks on a background with the CIELCh color 18, 16.854, 242.351.



This preview shows how white text looks on a background with the CIELCh color 18, 16.854, 242.351.

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, 16.854, 242.351

Protanopia

18, 12.499, 284.046

Deuteranopia

18, 15.394, 281.254



Tritanopia
18, 15.459, 204.355

Trichromacy



Original Color
18, 16.854, 242.351

Protanomaly
18, 13.545, 259.437

Deuteranomaly
18, 15.543, 262.193

Tritanomaly
18, 15.172, 218.536

Monochromacy



Original Color
18, 16.854, 242.351

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 8.278, 235.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 16.854, 242.351 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 48, 65)  
}
```

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, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 48, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 16.854, 242.351 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, 65) }
```

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

```
.border{ border-color:rgb(0, 48, 65) }
```

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, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 48, 65); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 48, 65); box-shadow:4px  
4px 4px 4px rgb(0, 48, 65) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 16.854, 242.351 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, 65) }
```

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

```
.background{ background-color: rgb(0, 48,  
65) }
```

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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