

Converting Colors

CIELCh(17, 17.248, 249.222)

Have a look what the booklet for
CIELCh(17, 17.248, 249.222)
contains.

CIELCh(17, 17.237, 248.469)	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(17, 17.237, 248.469)

Conversions

Conversions Part 1

Format	Color
Hex	002E41
RGB	0, 46, 65
RGB Percent	0%, 18%, 25%
CMY	0.9980, 0.8212, 0.7468
CMYK	0.99, 0.29, 0.00, 0.75
HSL	198°, 98%, 13%
HSV	198°, 99%, 25%
XYZ	1.9091, 2.3023, 5.2796
YIQ	34.4120, -33.5150, -3.8430

Conversions

Conversions Part 2

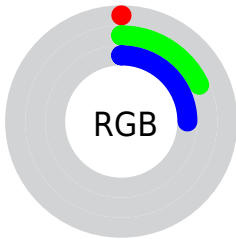
Format	Color
RYB	0, 27, 65
Decimal	11841
CIELab	17.00, -6.33, -16.03
CIELCh	17, 17.237, 248.469
Yxy	2.3023, 0.2011, 0.2426
Android (android.graphics.Color)	4278201921 (0xFF002E41)
YUV	34.4120, 15.0799, -30.1793
Hunter-Lab	15.1734, -4.0946, -10.0086

Details

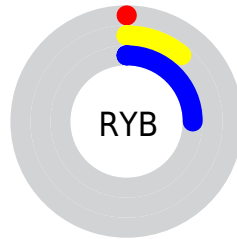
The CIELCh color **17, 17.237, 248.469** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 28.813, 43.775**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 17.245, 247.577**, and **1, 10.257, 288.629** is the 20% darker color. If you saturate the color by 10%, you get **17, 17.333, 248.659**, and if you desaturate by 10%, it is **18, 16.031, 245.777**.

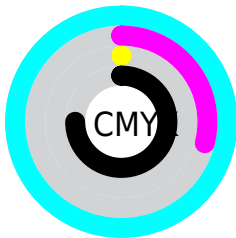
Distribution



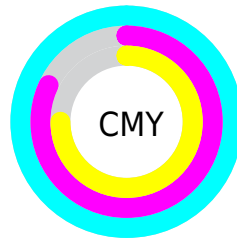
- Red (0%)
- Green (18%)
- Blue (25%)



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



- Cyan (99%)
- Magenta (29%)
- Yellow (0%)
- Black (75%)



- Cyan (100%)
- Magenta (82%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 17.237, 248.469 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 17, 17.237, 248.469 by changing the saturation by 10% instead.

■ 17, 17.237,
248.469

■ 17, 17.237,
248.469

■ 100, 17.237,
248.469

■ 7, 17.237, 248.469

■ 37, 17.237,
248.469

■ 0, 17.237, 248.469

■ 47, 17.237,
248.469


■ 57, 17.237,
248.469

■ 67, 17.237,
248.469

■ 77, 17.237,
248.469

■ 87, 17.237,


248.469


 97, 17.237,
248.469


 17, 17.237,
248.469


 17, 17.237,
248.469


 17, 17.333,
248.659

 18, 16.031,
245.777

 19, 14.876,
242.732

 20, 13.568,
240.080

 21, 12.070,
237.885

 22, 10.387,
236.086

■ 23, 8.533, 234.623

■ 24, 6.527, 233.440

■ 25, 4.392, 232.493

■ 26, 2.150, 231.768

Harmonies

Complementary

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



17, 17.237, 248.469



13, 28.813, 43.775

Rectangle

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



17, 17.237, 248.469



17, 17.237, 298.469



17, 17.237, 68.469



17, 17.237, 118.469

Sweetspot

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



17, 17.237, 248.470



31, 8.309, 233.664



23, 37.447, 143.448



15, 5.692, 233.869



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



17, 17.237, 248.470



23, 21.015, 250.935



6, 37.261, 297.243



12, 1.326, 231.729



27, 23.338, 251.968



62, 44.451, 256.095

Inverse Universe

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



11, 35.180, 342.090



17, 41.943, 342.948



22, 30.310, 88.607



12, 2.380, 334.595



20, 46.086, 343.317



50, 83.816, 344.876

Previews

White Background



This preview shows how the CIELCh color 17, 17.237, 248.469 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 17, 17.237, 248.469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

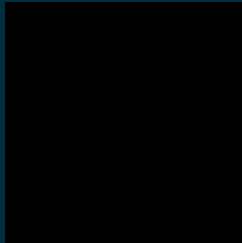
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

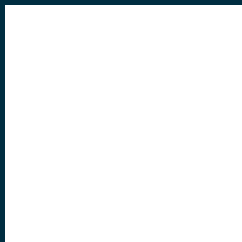
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 17, 17.237, 248.469

Background



This preview shows how black text looks on a background with the CIELCh color 17, 17.237, 248.469.



This preview shows how white text looks on a background with the CIELCh color 17, 17.237, 248.469.

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


17, 17.344, 248.030

Protanopia

17, 13.984, 284.059

Deuteranopia

17, 15.649, 277.724



Tritanopia
17, 14.784, 207.635

Trichromacy



Original Color
17, 17.344, 248.030

Protanomaly
17, 15.168, 266.505

Deuteranomaly
17, 16.139, 264.365

Tritanomaly
17, 14.842, 225.449

Monochromacy



Original Color
17, 17.344, 248.030

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 8.020, 236.992

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 17.237, 248.469 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, 46, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 46, 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, 46, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 46, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 17.237, 248.469 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, 46, 65) }
```

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

```
.border{ border-color:rgb(0, 46, 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, 46, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 46, 65); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 46, 65); box-shadow:4px  
4px 4px 4px rgb(0, 46, 65) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 17.237, 248.469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 46, 65) }
```

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

```
.background{ background-color: rgb(0, 46,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor