

Converting Colors

CIELCh(15, 27.476, 250.145)

Have a look what the booklet for
CIELCh(15, 27.476, 250.145)
contains.

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Color

CIELCh(17, 23.111, 269.328)

Conversions

Conversions Part 1

Format	Color
Hex	012C4B
RGB	1, 44, 75
RGB Percent	0%, 17%, 29%
CMY	0.9953, 0.8282, 0.7062
CMYK	0.98, 0.42, 0.00, 0.71
HSL	205°, 97%, 15%
HSV	205°, 98%, 29%
XYZ	2.1758, 2.3023, 6.9701
YIQ	34.6770, -35.5790, 0.5250

Conversions

Conversions Part 2

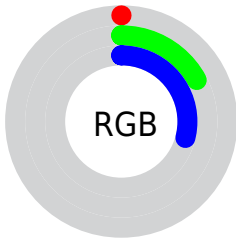
Format	Color
R_{YB}	1, 28, 75
Decimal	76875
CIE _{Lab}	17.00, -0.27, -23.11
CIE _{LCh}	17, 23.111, 269.328
Yxy	2.3023, 0.1901, 0.2011
Android (android.graphics.Color)	4278266955 (0xFF012C4B)
YUV	34.6770, 19.8792, -29.5347
Hunter-Lab	15.1734, -0.9573, -16.6141

Details

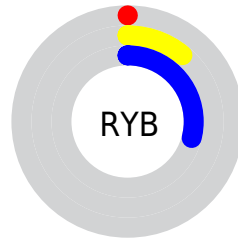
The CIELCh color **17, 23.111, 269.328** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **18, 31.932, 55.447**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 23.154, 269.090**, and **1, 16.932, 288.878** is the 20% darker color. If you saturate the color by 10%, you get **17, 23.457, 269.824**, and if you desaturate by 10%, it is **18, 21.026, 265.904**.

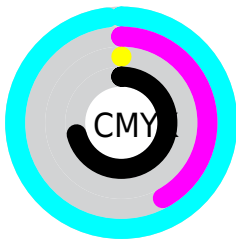
Distribution



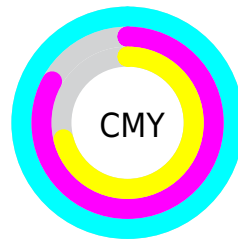
- Red (0%)
- Green (17%)
- Blue (29%)



- Red (0%)
- Yellow (11%)
- Blue (29%)



- Cyan (98%)
- Magenta (42%)
- Yellow (0%)
- Black (71%)



- Cyan (100%)
- Magenta (83%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 23.111, 269.328 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, 23.111, 269.328 by changing the saturation by 10% instead.

■ 17, 23.111,
269.328

■ 17, 23.111,
269.328

■ 100, 23.111,
269.328

■ 7, 23.111, 269.328

■ 37, 23.111,
269.328

■ 0, 23.111, 269.328

■ 47, 23.111,
269.328


■ 57, 23.111,
269.328


■ 67, 23.111,
269.328


■ 77, 23.111,
269.328


■ 87, 23.111,

269.328


 97, 23.111,
269.328


 17, 23.111,
269.328


 17, 23.111,
269.328


 17, 23.457,
269.824

 18, 21.026,
265.904

 20, 19.011,
262.190

 21, 16.923,
258.922

 23, 14.735,
256.113

 24, 12.437,
253.728

■ 26, 10.031,
251.719

■ 27, 7.526, 250.032

■ 29, 4.937, 248.621

■ 30, 2.278, 247.468

Harmonies

Complementary

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



17, 23.111, 269.328



18, 31.932, 55.447

Rectangle

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



17, 23.111, 269.328



17, 23.111, 319.328



17, 23.111, 89.328



17, 23.111, 139.328

Sweetspot

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



17, 23.111, 269.329



35, 9.805, 250.462



27, 37.353, 147.964



16, 6.580, 250.796



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



17, 23.111, 269.329



23, 28.797, 271.855



6, 48.564, 302.691



14, 1.541, 247.498



24, 30.004, 272.206



54, 57.563, 276.003

Inverse Universe

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



14, 35.976, 351.124



19, 43.087, 352.592



29, 37.329, 97.920



14, 2.461, 340.216



21, 44.614, 352.808



50, 79.793, 355.325

Previews

White Background



This preview shows how the CIELCh color 17, 23.111, 269.328 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, 23.111, 269.328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

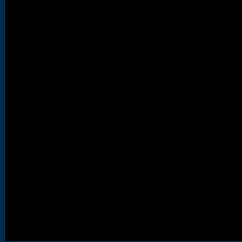
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 23.111, 269.328

Background



This preview shows how black text looks on a background with the CIELCh color 17, 23.111, 269.328.



This preview shows how white text looks on a background with the CIELCh color 17, 23.111, 269.328.

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, 23.072, 269.037

Protanopia

17, 21.662, 284.010

Deuteranopia

17, 23.043, 275.339



Tritanopia
17, 14.784, 207.635

Trichromacy



Original Color
17, 23.072, 269.037

Protanomaly
17, 22.168, 276.764

Deuteranomaly
17, 23.265, 273.514

Tritanomaly
17, 15.677, 236.325

Monochromacy



Original Color
17, 23.072, 269.037

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 10.083, 256.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 23.111, 269.328 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(1, 44, 75)` looks like.

```
.text, #text, p{  
    color:rgb(1, 44, 75)  
}
```

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(1, 44, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 44, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 23.111, 269.328 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(1, 44, 75) }
```

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

```
.border{ border-color:rgb(1, 44, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 44, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 44, 75); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 44, 75); box-shadow:4px  
4px 4px 4px rgb(1, 44, 75) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 23.111, 269.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 44, 75) }
```

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

```
.background{ background-color: rgb(1, 44,  
75) }
```

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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