

Converting Colors

CIELCh(17, 21.391, 265.191)

Have a look what the booklet for
CIELCh(17, 21.391, 265.191)
contains.

CIELCh(17, 21.403, 265.254)	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, 21.403, 265.254)

Conversions

Conversions Part 1

Format	Color
Hex	012C48
RGB	1, 44, 72
RGB Percent	0%, 17%, 28%
CMY	0.9945, 0.8264, 0.7165
CMYK	0.98, 0.39, 0.00, 0.72
HSL	204°, 96%, 14%
HSV	204°, 98%, 28%
XYZ	2.1076, 2.3023, 6.5152
YIQ	34.3350, -34.6160, -0.4080

Conversions

Conversions Part 2

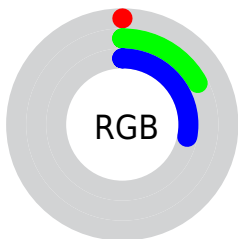
Format	Color
R_YB	1, 28, 72
Decimal	76872
CIE Lab	17.00, -1.77, -21.33
CIE LCh	17, 21.403, 265.254
Yxy	2.3023, 0.1929, 0.2107
Android (android.graphics.Color)	4278266952 (0xFF012C48)
YUV	34.3350, 18.5688, -29.2348
Hunter-Lab	15.1734, -1.7600, -14.8366

Details

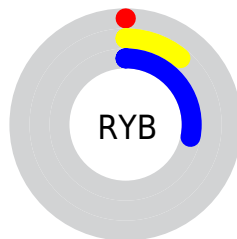
The CIELCh color **17, 21.403, 265.254** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **17, 30.932, 52.988**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 21.674, 265.725**, and **1, 14.532, 288.124** is the 20% darker color. If you saturate the color by 10%, you get **17, 21.770, 265.834**, and if you desaturate by 10%, it is **18, 19.559, 261.897**.

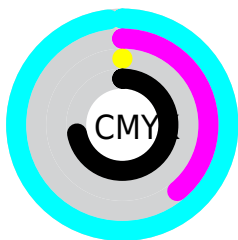
Distribution



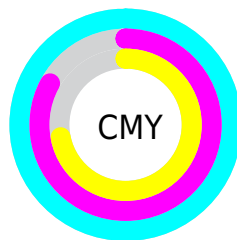
- Red (0%)
- Green (17%)
- Blue (28%)



- Red (0%)
- Yellow (11%)
- Blue (28%)



- Cyan (98%)
- Magenta (39%)
- Yellow (0%)
- Black (72%)



- Cyan (99%)
- Magenta (83%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 21.403, 265.254 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, 21.403, 265.254 by changing the saturation by 10% instead.

■ 17, 21.403,
265.254

■ 17, 21.403,
265.254

■ 100, 21.403,
265.254

■ 7, 21.403, 265.254

■ 37, 21.403,
265.254

■ 0, 21.403, 265.254

■ 47, 21.403,
265.254


■ 57, 21.403,
265.254


■ 67, 21.403,
265.254


■ 77, 21.403,
265.254


■ 87, 21.403,


265.254

 97, 21.403,
265.254


 17, 21.403,
265.254


 17, 21.403,
265.254


 17, 21.770,
265.834

 18, 19.559,
261.897

 19, 17.772,
258.258

 21, 15.886,
255.083

 22, 13.878,
252.376

 24, 11.742,
250.093

■ 25, 9.483, 248.182

■ 26, 7.113, 246.588

■ 28, 4.648, 245.264

■ 29, 2.104, 244.196

Harmonies

Complementary

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



17, 21.403, 265.254



17, 30.932, 52.988

Rectangle

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



17, 21.403, 265.254



17, 21.403, 315.254



17, 21.403, 85.254



17, 21.403, 135.254

Sweetspot

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



17, 21.403, 265.255



35, 9.131, 246.894



26, 37.346, 146.758



16, 6.294, 247.243



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, 21.403, 265.255



23, 26.833, 268.024



6, 45.502, 301.503



13, 1.435, 244.242



24, 27.974, 268.399



56, 54.007, 272.417

Inverse Universe

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



13, 35.518, 348.953



19, 42.830, 350.382



27, 35.452, 95.795



13, 2.363, 338.935



20, 44.379, 350.586



50, 80.005, 352.940

Previews

White Background



This preview shows how the CIE LCh color 17, 21.403, 265.254 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, 21.403, 265.254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

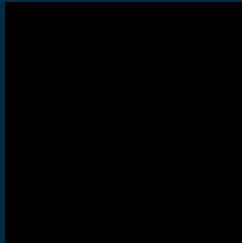
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 21.403, 265.254

Background



This preview shows how black text looks on a background with the CIELCh color 17, 21.403, 265.254.



This preview shows how white text looks on a background with the CIELCh color 17, 21.403, 265.254.

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, 21.403, 265.254

Protanopia

17, 19.584, 283.752

Deuteranopia

17, 21.429, 276.986



Tritanopia
17, 14.784, 207.635

Trichromacy



Original Color
17, 21.403, 265.254

Protanomaly
17, 20.242, 274.442

Deuteranomaly
17, 21.822, 273.354

Tritanomaly
17, 15.277, 234.143

Monochromacy



Original Color
17, 21.403, 265.254

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 9.557, 254.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 21.403, 265.254 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, 72)` looks like.

```
.text, #text, p{  
    color:rgb(1, 44, 72)  
}
```

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, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 44, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 21.403, 265.254 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, 72) }
```

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

```
.border{ border-color:rgb(1, 44, 72) }
```

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, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 44, 72); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 44, 72); box-shadow:4px  
4px 4px 4px rgb(1, 44, 72) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 21.403, 265.254 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, 72) }
```

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

```
.background{ background-color: rgb(1, 44,  
72) }
```

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