

Converting Colors

CIELCh(17, 12.471, 245.061)

Have a look what the booklet for
CIELCh(17, 12.471, 245.061)
contains.

CIELCh(17, 12.471, 245.061)	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, 12.471, 245.061)

Conversions

Conversions Part 1

Format	Color
Hex	132D3A
RGB	19, 45, 58
RGB Percent	7%, 18%, 23%
CMY	0.9263, 0.8243, 0.7733
CMYK	0.67, 0.22, 0.00, 0.77
HSL	200°, 51%, 15%
HSV	200°, 67%, 23%
XYZ	1.9545, 2.3023, 4.3183
YIQ	38.7080, -19.6690, -1.4690

Conversions

Conversions Part 2

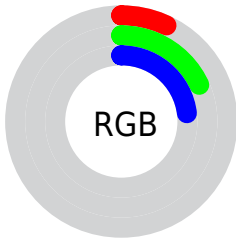
Format	Color
R_{YB}	19, 35, 58
Decimal	1256762
CIE _{Lab}	17.00, -5.26, -11.31
CIE _{LCh}	17, 12.471, 245.061
Yxy	2.3023, 0.2279, 0.2685
Android (android.graphics.Color)	4279446842 (0xFF132D3A)
YUV	38.7080, 9.5110, -17.2839
Hunter-Lab	15.1734, -3.5612, -6.2523

Details

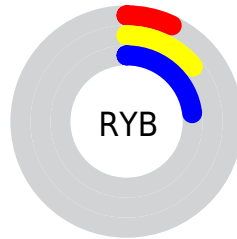
The CIELCh color **17, 12.471, 245.061** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **15, 17.849, 51.842**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 12.311, 243.484**, and **1, 5.946, 287.505** is the 20% darker color. If you saturate the color by 10%, you get **16, 13.831, 247.729**, and if you desaturate by 10%, it is **18, 10.965, 242.824**.

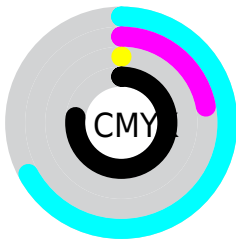
Distribution



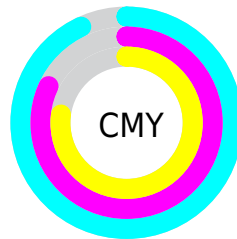
- Red (7%)
- Green (18%)
- Blue (23%)



- Red (7%)
- Yellow (14%)
- Blue (23%)



- Cyan (67%)
- Magenta (22%)
- Yellow (0%)
- Black (77%)



- Cyan (93%)
- Magenta (82%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 12.471, 245.061 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, 12.471, 245.061 by changing the saturation by 10% instead.

■ 17, 12.471,
245.061

■ 17, 12.471,
245.061

■ 100, 12.471,
245.061

■ 7, 12.471, 245.061

■ 37, 12.471,
245.061

■ 0, 12.471, 245.061

■ 47, 12.471,
245.061


■ 57, 12.471,
245.061


■ 67, 12.471,
245.061


■ 77, 12.471,
245.061


■ 87, 12.471,


245.061


 97, 12.471,
245.061

 17, 12.471,
245.061


 17, 12.471,
245.061

 16, 13.831,
247.729


 18, 10.965,
242.824

 15, 15.079,
250.746

 19, 9.319, 240.965

 14, 16.384,
253.336

 20, 7.544, 239.428

 14, 16.724,
253.905

 21, 5.654, 238.163

 22, 3.666, 237.130

 23, 1.596, 236.332

■ 25, 0.539, 55.107

■ 26, 2.727, 54.811

■ 27, 4.956, 54.347

Harmonies

Complementary

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



17, 12.471, 245.061



15, 17.849, 51.842

Rectangle

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



17, 12.471, 245.061



17, 12.471, 295.061



17, 12.471, 65.061



17, 12.471, 115.061

Sweetspot

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



17, 12.471, 245.060



29, 5.118, 237.456



21, 24.491, 149.084



13, 3.519, 237.550



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



17, 12.471, 245.060



21, 17.306, 249.915



10, 23.361, 291.615



10, 1.149, 236.383



24, 23.623, 258.103



58, 46.521, 262.649

Inverse Universe

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



13, 24.326, 340.623



16, 33.631, 342.486



21, 21.094, 94.564



9, 2.006, 336.102



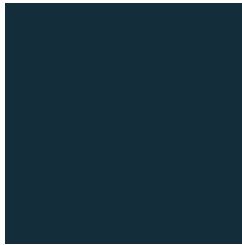
18, 43.465, 345.688



48, 80.554, 347.682

Previews

White Background



This preview shows how the CIELCh color 17, 12.471, 245.061 looks on a white background.

Color Contrast Check

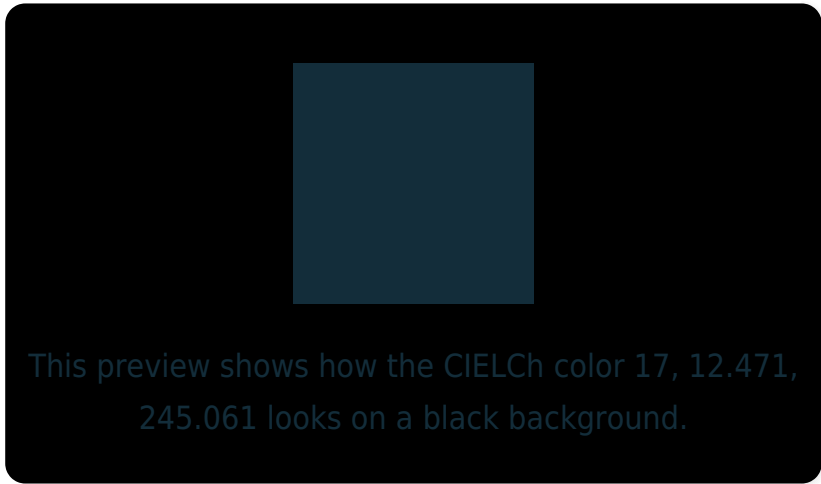
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

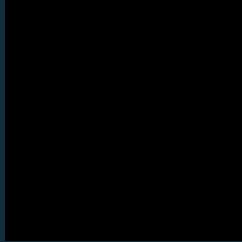
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 12.471, 245.061

Background



This preview shows how black text looks on a background with the CIELCh color 17, 12.471, 245.061.



This preview shows how white text looks on a background with the CIELCh color 17, 12.471, 245.061.

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, 12.471, 245.061

Protanopia

17, 9.801, 285.319

Deuteranopia

17, 12.625, 284.295



Tritanopia
17, 11.795, 211.006

Trichromacy



Original Color
17, 12.471, 245.061

Protanomaly
17, 10.512, 268.148

Deuteranomaly
17, 12.495, 271.653

Tritanomaly
17, 11.593, 222.572

Monochromacy



Original Color
17, 12.471, 245.061

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 5.185, 241.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 12.471, 245.061 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(19, 45, 58)` looks like.

```
.text, #text, p{  
    color:rgb(19, 45, 58)  
}
```

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(19, 45, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 45, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 12.471, 245.061 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(19, 45, 58) }
```

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

```
.border{ border-color:rgb(19, 45, 58) }
```

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

Here you see how a box with a 4 pixel rgb(19, 45, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 45, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 45, 58);  
box-shadow:4px 4px 4px 4px rgb(19, 45, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 12.471, 245.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 45, 58) }
```

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

```
.background{ background-color: rgb(19, 45,  
58) }
```

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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