

Converting Colors

CIELCh(19, 12.381, 236.177)

Have a look what the booklet for
CIELCh(19, 12.381, 236.177)
contains.

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Color

CIELCh(19, 12.377, 235.751)

Conversions

Conversions Part 1

Format	Color
Hex	15323D
RGB	21, 50, 61
RGB Percent	8%, 20%, 24%
CMY	0.9189, 0.8050, 0.7619
CMYK	0.66, 0.18, 0.00, 0.76
HSL	196°, 49%, 16%
HSV	196°, 66%, 24%
XYZ	2.2656, 2.7468, 4.7845
YIQ	42.5830, -20.8150, -2.7270

Conversions

Conversions Part 2

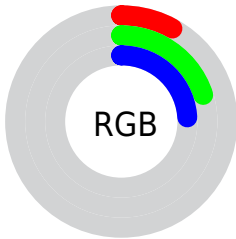
Format	Color
R_{YB}	21, 38, 61
Decimal	1389117
CIE Lab	19.00, -6.97, -10.23
CIE LCh	19, 12.377, 235.751
Yxy	2.7468, 0.2313, 0.2804
Android (android.graphics.Color)	4279579197 (0xFF15323D)
YUV	42.5830, 9.0796, -18.9283
Hunter-Lab	16.5735, -4.6030, -5.5145

Details

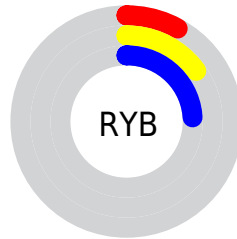
The CIELCh color **19, 12.377, 235.751** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **16, 18.558, 46.628**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 12.323, 235.256**, and **1, 8.250, 288.252** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.636, 238.022**, and if you desaturate by 10%, it is **20, 10.924, 233.889**.

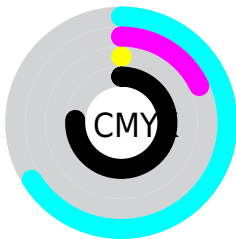
Distribution



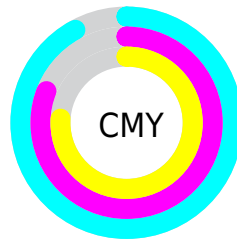
- Red (8%)
- Green (20%)
- Blue (24%)



- Red (8%)
- Yellow (15%)
- Blue (24%)



- Cyan (66%)
- Magenta (18%)
- Yellow (0%)
- Black (76%)



- Cyan (92%)
- Magenta (81%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 12.377, 235.751 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 19, 12.377, 235.751 by changing the saturation by 10% instead.

■ 19, 12.377,
235.751

■ 19, 12.377,
235.751

■ 100, 12.377,
235.751

■ 9, 12.377, 235.751

■ 39, 12.377,
235.751

■ 0, 12.377, 235.751

■ 49, 12.377,
235.751


■ 59, 12.377,
235.751


■ 69, 12.377,
235.751


■ 79, 12.377,
235.751


■ 89, 12.377,


235.751


 99, 12.377,
235.751

 19, 12.377,
235.751


 19, 12.377,
235.751

 18, 13.636,
238.022

 20, 10.924,
233.889


 17, 14.711,
240.734

 21, 9.290, 232.377

 17, 15.788,
243.257

 22, 7.492, 231.159

 23, 5.550, 230.185

 16, 16.248,
244.161

 24, 3.487, 229.421

 25, 1.323, 228.897

■ 26, 0.922, 47.988

■ 27, 3.232, 47.766

■ 28, 5.591, 47.484

Harmonies

Complementary

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



19, 12.377, 235.751



16, 18.558, 46.628

Rectangle

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



19, 12.377, 235.751



19, 12.377, 285.751



19, 12.377, 55.751



19, 12.377, 105.751

Sweetspot

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



19, 12.377, 235.750



31, 5.399, 229.777



22, 25.968, 147.363



15, 3.708, 229.860



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



19, 12.377, 235.750



24, 17.127, 239.795



12, 22.220, 288.718



11, 1.242, 228.992



27, 22.290, 247.732



62, 42.650, 251.879

Inverse Universe

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



14, 25.762, 337.674



17, 36.165, 339.159



22, 20.681, 91.231



10, 2.256, 333.722



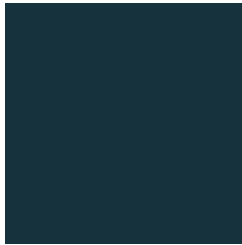
19, 45.889, 341.848



50, 84.298, 343.285

Previews

White Background



This preview shows how the CIE LCh color 19, 12.377, 235.751 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 19, 12.377, 235.751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

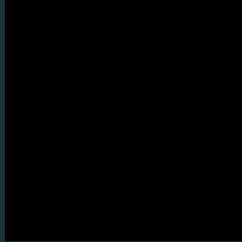
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

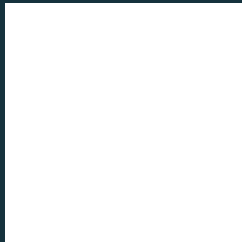
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 12.377, 235.751

Background



This preview shows how black text looks on a background with the CIELCh color 19, 12.377, 235.751.



This preview shows how white text looks on a background with the CIELCh color 19, 12.377, 235.751.

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

19, 12.377, 235.751

Protanopia

19, 8.288, 283.350

Deuteranopia

19, 11.702, 287.011



Tritanopia
19, 12.422, 210.093

Trichromacy



Original Color
19, 12.377, 235.751

Protanomaly
19, 9.358, 261.184

Deuteranomaly
19, 11.246, 265.982

Tritanomaly
19, 12.284, 217.113

Monochromacy



Original Color
19, 12.377, 235.751

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 5.431, 229.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 12.377, 235.751 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(21, 50, 61)` looks like.

```
.text, #text, p{  
    color:rgb(21, 50, 61)  
}
```

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(21, 50, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 50, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 12.377, 235.751 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(21, 50, 61) }
```

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

```
.border{ border-color:rgb(21, 50, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 50, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 50, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 50, 61);  
box-shadow:4px 4px 4px 4px rgb(21, 50, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 12.377, 235.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 50, 61) }
```

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

```
.background{ background-color: rgb(21, 50,  
61) }
```

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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