

Converting Colors

CIELCh(19, 9.792, 238.915)

Have a look what the booklet for
CIELCh(19, 9.792, 238.915) contains.

CIELCh(19, 9.687, 238.125)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(19, 9.687, 238.125)

Conversions

Conversions Part 1

Format	Color
Hex	1D313A
RGB	29, 49, 58
RGB Percent	11%, 19%, 23%
CMY	0.8869, 0.8084, 0.7732
CMYK	0.50, 0.16, 0.00, 0.77
HSL	199°, 33%, 17%
HSV	199°, 50%, 23%
XYZ	2.3541, 2.7468, 4.3883
YIQ	44.0460, -14.8090, -1.4410

Conversions

Conversions Part 2

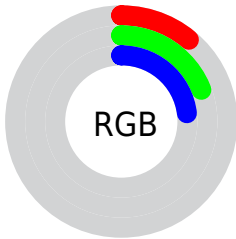
Format	Color
R_{YB}	29, 41, 58
Decimal	1913146
CIE _{Lab}	19.00, -5.12, -8.23
CIE _{LCh}	19, 9.687, 238.125
Yxy	2.7468, 0.2481, 0.2895
Android (android.graphics.Color)	4280103226 (0xFF1D313A)
YUV	44.0460, 6.8793, -13.1953
Hunter-Lab	16.5735, -3.6496, -4.0971

Details

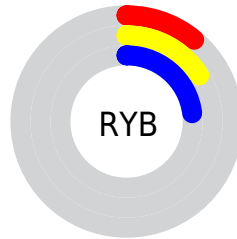
The CIELCh color **19, 9.687, 238.125** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 12.676, 50.299**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 9.572, 238.663**, and **1, 5.946, 287.505** is the 20% darker color. If you saturate the color by 10%, you get **18, 11.251, 239.958**, and if you desaturate by 10%, it is **20, 7.978, 236.616**.

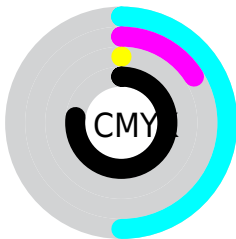
Distribution



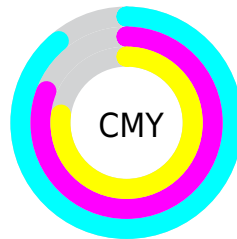
- Red (11%)
- Green (19%)
- Blue (23%)



- Red (11%)
- Yellow (16%)
- Blue (23%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)
- Black (77%)



- Cyan (89%)
- Magenta (81%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 9.687, 238.125 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, 9.687, 238.125 by changing the saturation by 10% instead.

■ 19, 9.687, 238.125

■ 19, 9.687, 238.125

■ 100, 9.687,
238.125

■ 9, 9.687, 238.125

■ 39, 9.687, 238.125

■ 0, 9.687, 238.125

■ 49, 9.687, 238.125

■ 59, 9.687, 238.125

■ 69, 9.687, 238.125

■ 79, 9.687, 238.125

■ 89, 9.687, 238.125

■ 99, 9.687, 238.125

■ 19, 9.687, 238.125

■ 19, 9.687, 238.125

■ 18, 11.251,
239.958

■ 20, 7.978, 236.616

■ 17, 12.658,
242.179

■ 21, 6.139, 235.385

■ 22, 4.190, 234.387

■ 16, 13.905,
244.841

■ 23, 2.148, 233.605

■ 15, 15.062,
247.698

■ 24, 0.029, 239.968

■ 25, 2.150, 52.177

■ 14, 16.277,
250.042

■ 27, 4.377, 51.772

■ 28, 6.639, 51.415

■ 29, 8.928, 51.116

Harmonies

Complementary

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



19, 9.687, 238.125



17, 12.676, 50.299

Rectangle

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



19, 9.687, 238.125



19, 9.687, 288.125



19, 9.687, 58.125



19, 9.687, 108.125

Sweetspot

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



19, 9.687, 238.123



29, 3.867, 234.010



22, 18.874, 150.434



14, 2.660, 234.066



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



19, 9.687, 238.123



24, 13.663, 240.483



14, 16.561, 287.193



10, 1.148, 233.491



25, 22.843, 254.137



59, 44.684, 258.629

Inverse Universe

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



15, 18.947, 338.016



19, 27.275, 339.043



22, 15.646, 95.306



9, 2.039, 335.143



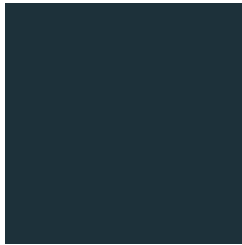
18, 44.056, 344.119



49, 81.668, 345.908

Previews

White Background



This preview shows how the CIELCh color 19, 9.687, 238.125 looks on a white background.

Color Contrast Check

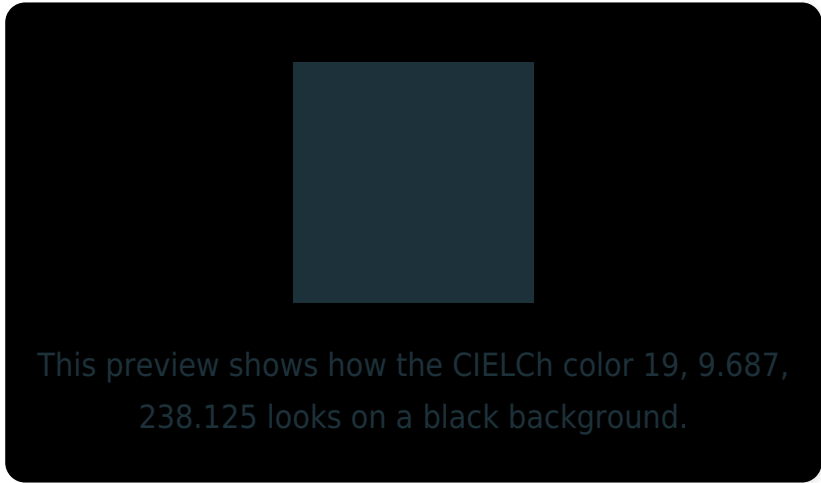
Large Text (above 18pt) WCAG AA ✓ Pass

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

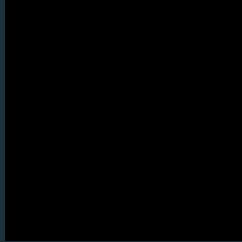
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 9.687, 238.125

Background



This preview shows how black text looks on a background with the CIELCh color 19, 9.687, 238.125.



This preview shows how white text looks on a background with the CIELCh color 19, 9.687, 238.125.

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

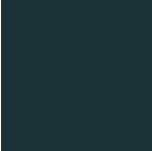
19, 9.687, 238.125

Protanopia

19, 6.888, 284.626

Deuteranopia

19, 9.615, 289.991



Tritanopia
19, 9.419, 214.830

Trichromacy



Original Color
19, 9.687, 238.125

Protanomaly
19, 7.688, 262.686

Deuteranomaly
19, 9.392, 271.995

Tritanomaly
19, 9.231, 219.835

Monochromacy



Original Color
19, 9.687, 238.125

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 4.057, 229.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 9.687, 238.125 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(29, 49, 58)` looks like.

```
.text, #text, p{  
    color:rgb(29, 49, 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(29, 49, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 49, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 9.687, 238.125 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(29, 49, 58) }
```

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

```
.border{ border-color:rgb(29, 49, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 49, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 49, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 49, 58);  
box-shadow:4px 4px 4px 4px rgb(29, 49, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 9.687, 238.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 49, 58) }
```

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

```
.background{ background-color: rgb(29, 49,  
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](#).

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