

Converting Colors

CIELCh(19, 12.379, 186.175)

Have a look what the booklet for
CIELCh(19, 12.379, 186.175)
contains.

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Color

CIELCh(19, 12.196, 187.255)

Conversions

Conversions Part 1

Format	Color
Hex	153330
RGB	21, 51, 48
RGB Percent	8%, 20%, 19%
CMY	0.9174, 0.7998, 0.8115
CMYK	0.59, 0.00, 0.06, 0.80
HSL	174°, 42%, 14%
HSV	174°, 59%, 20%
XYZ	2.0317, 2.7468, 3.2257
YIQ	41.6880, -16.9170, -7.2930

Conversions

Conversions Part 2

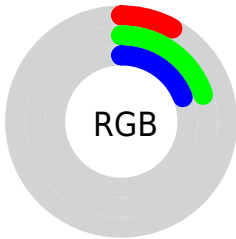
Format	Color
R_{YB}	21, 37, 51
Decimal	1389360
CIE _{Lab}	19.00, -12.10, -1.54
CIE _{LCh}	19, 12.196, 187.255
Yxy	2.7468, 0.2538, 0.3432
Android (android.graphics.Color)	4279579440 (0xFF153330)
YUV	41.6880, 3.1118, -18.1434
Hunter-Lab	16.5735, -7.1221, 0.0618

Details

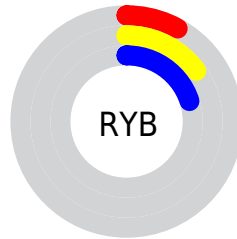
The CIELCh color **19, 12.196, 187.255** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 16.239, 17.610**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 12.361, 186.364**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 13.689, 186.529**, and if you desaturate by 10%, it is **19, 10.491, 187.953**.

Distribution



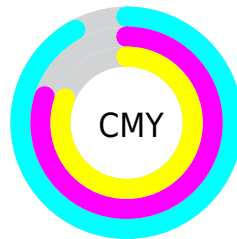
- Red (8%)
- Green (20%)
- Blue (19%)



- Red (8%)
- Yellow (15%)
- Blue (20%)



- Cyan (59%)
- Magenta (0%)
- Yellow (6%)
- Black (80%)





- Cyan (92%)
- Magenta (80%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 12.196, 187.255 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, 12.196, 187.255 by changing the saturation by 10% instead.

 19, 12.196,
187.255


 19, 12.196,
187.255


 100, 12.196,
187.255


 9, 12.196, 187.255


 39, 12.196,
187.255

 0, 12.196, 187.255

 49, 12.196,
187.255


 59, 12.196,
187.255


 69, 12.196,
187.255


 79, 12.196,
187.255


 89, 12.196,


187.255


 99, 12.196,
187.255

 19, 12.196,
187.255


 19, 12.196,
187.255

 19, 13.689,
186.529

 19, 10.491,
187.953


 19, 14.952,
185.773

 20, 8.599, 188.636


 18, 16.074,
185.025

 20, 6.546, 189.309

 20, 4.360, 189.980

 18, 17.239,
184.368

 21, 2.069, 190.681

 18, 17.388,
184.292

 21, 0.301, 10.535

■ 22, 2.728, 11.782

■ 22, 5.193, 12.447

■ 23, 7.678, 13.082

Harmonies

Complementary

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



19, 12.196, 187.255



11, 16.239, 17.610

Rectangle

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



19, 12.196, 187.255



19, 12.196, 237.255



19, 12.196, 7.255



19, 12.196, 57.255

Sweetspot

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



19, 12.196, 187.253



27, 5.209, 189.967



18, 23.668, 137.973



12, 3.536, 189.916



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



19, 12.196, 187.253



25, 16.965, 186.163



15, 10.457, 249.996



9, 1.306, 190.721



33, 25.394, 183.169



78, 48.752, 182.130

Inverse Universe

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



11, 16.239, 17.610



14, 24.491, 20.809



15, 13.486, 57.419



8, 1.353, 11.541



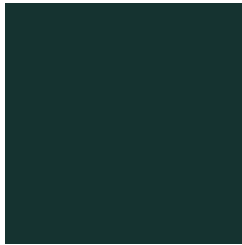
16, 43.294, 29.955



45, 88.204, 36.313

Previews

White Background



This preview shows how the CIE LCh color 19, 12.196, 187.255 looks on a white background.

Color Contrast Check

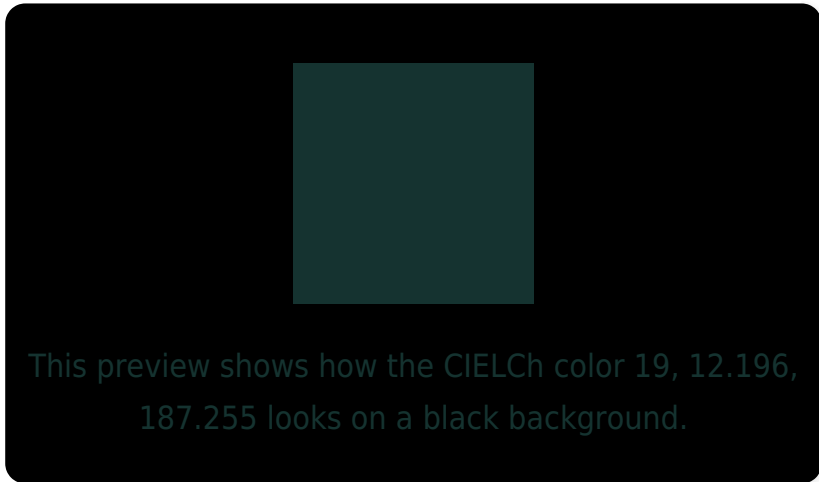
Large Text (above 18pt) WCAG AA ✓ Pass

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

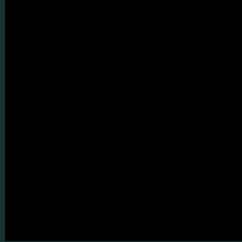
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 12.196, 187.255

Background



This preview shows how black text looks on a background with the CIELCh color 19, 12.196, 187.255.



This preview shows how white text looks on a background with the CIELCh color 19, 12.196, 187.255.

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, 12.196, 187.255

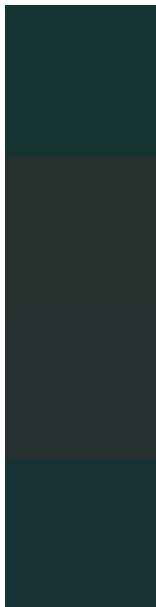
Protanopia
19, 0.827, 74.836

Deuteranopia
19, 3.335, 324.783



Tritanopia
19, 10.319, 213.152

Trichromacy



Original Color
19, 12.196, 187.255

Protanomaly
19, 4.781, 181.734

Deuteranomaly
19, 3.792, 220.105

Tritanomaly
19, 10.589, 204.951

Monochromacy



Original Color
19, 12.196, 187.255

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 5.042, 190.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 12.196, 187.255 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, 51, 48)` looks like.

```
.text, #text, p{  
    color:rgb(21, 51, 48)  
}
```

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, 51, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 51, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 12.196, 187.255 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, 51, 48) }
```

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

```
.border{ border-color:rgb(21, 51, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 51, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 51, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 51, 48);  
box-shadow:4px 4px 4px 4px rgb(21, 51, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 12.196, 187.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 51, 48) }
```

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

```
.background{ background-color: rgb(21, 51,  
48) }
```

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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