

Converting Colors

CIELCh(19, 13.938, 176.525)

Have a look what the booklet for
CIELCh(19, 13.938, 176.525)
contains.

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Color

CIELCh(19, 13.938, 176.525)

Conversions

Conversions Part 1

Format	Color
Hex	14342D
RGB	20, 52, 45
RGB Percent	8%, 20%, 18%
CMY	0.9234, 0.7978, 0.8252
CMYK	0.62, 0.00, 0.14, 0.80
HSL	167°, 45%, 14%
HSV	167°, 62%, 20%
XYZ	1.9530, 2.7468, 2.8670
YIQ	41.6340, -16.8250, -8.9610

Conversions

Conversions Part 2

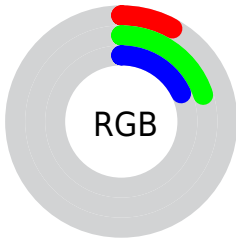
Format	Color
R_{YB}	20, 38, 52
Decimal	1324077
CIE _{Lab}	19.00, -13.91, 0.84
CIE _{LCh}	19, 13.938, 176.525
Y _{xy}	2.7468, 0.2581, 0.3630
Android (android.graphics.Color)	4279514157 (0xFF14342D)
YUV	41.6340, 1.6594, -18.9730
Hunter-Lab	16.5735, -7.9691, 1.3453

Details

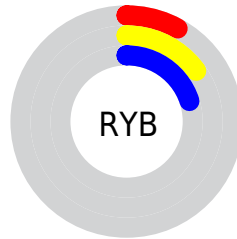
The CIELCh color **19, 13.938, 176.525** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 17.241, 9.291**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 13.960, 177.061**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 15.631, 175.434**, and if you desaturate by 10%, it is **19, 12.044, 177.532**.

Distribution



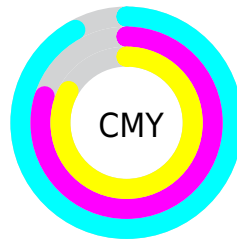
- Red (8%)
- Green (20%)
- Blue (18%)



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



- Cyan (62%)
- Magenta (0%)
- Yellow (14%)
- Black (80%)



- Cyan (92%)
- Magenta (80%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.938, 176.525 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, 13.938, 176.525 by changing the saturation by 10% instead.

■ 19, 13.938,
176.525

■ 19, 13.938,
176.525

■ 100, 13.938,
176.525

■ 9, 13.938, 176.525

■ 39, 13.938,
176.525

■ 0, 13.938, 176.525

■ 49, 13.938,
176.525


■ 59, 13.938,
176.525


■ 69, 13.938,
176.525


■ 79, 13.938,
176.525


■ 89, 13.938,


176.525


 99, 13.938,
176.525

 19, 13.938,
176.525


 19, 13.938,
176.525

 19, 15.631,
175.434


 19, 12.044,
177.532

 19, 17.106,
174.253

 20, 9.974, 178.473

 18, 18.536,
173.168

 20, 7.759, 179.359

 18, 19.709,
172.439

 20, 5.426, 180.203

 21, 3.006, 181.024

 21, 0.525, 182.090

■ 22, 1.996, 2.347

■ 23, 4.535, 3.105

■ 23, 7.076, 3.800

Harmonies

Complementary

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



19, 13.938, 176.525



11, 17.241, 9.291

Rectangle

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



19, 13.938, 176.525



19, 13.938, 226.525



19, 13.938, 356.525



19, 13.938, 46.525

Sweetspot

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



19, 13.938, 176.524



27, 5.778, 180.380



19, 24.262, 134.902



12, 3.887, 180.330



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, 13.938, 176.524



25, 19.564, 174.658



16, 10.392, 233.396



9, 1.365, 181.353



33, 29.010, 170.556



78, 56.452, 168.822

Inverse Universe

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



11, 17.241, 9.291



13, 25.571, 13.132



13, 14.952, 45.692



8, 1.401, 2.421



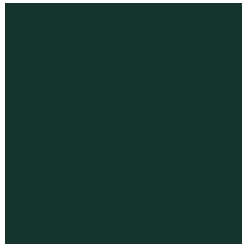
16, 41.295, 23.386



46, 81.672, 28.695

Previews

White Background



This preview shows how the CIELCh color 19, 13.938, 176.525 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, 13.938, 176.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

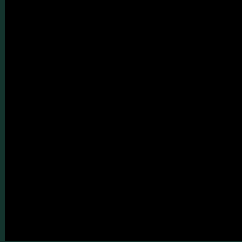
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 13.938, 176.525

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.938, 176.525.



This preview shows how white text looks on a background with the CIELCh color 19, 13.938, 176.525.

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](#).

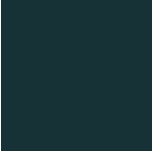
Dichromacy



Original Color
19, 13.938, 176.525

Protanopia
19, 2.895, 89.815

Deuteranopia
19, 2.955, 6.660



Tritanopia
19, 10.605, 212.675

Trichromacy



Original Color
19, 13.938, 176.525

Protanomaly
19, 5.826, 162.183

Deuteranomaly
19, 3.543, 175.872

Tritanomaly
19, 11.353, 197.248

Monochromacy



Original Color
19, 13.938, 176.525

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 5.914, 177.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.938, 176.525 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(20, 52, 45)` looks like.

```
.text, #text, p{  
    color:rgb(20, 52, 45)  
}
```

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(20, 52, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 52, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.938, 176.525 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(20, 52, 45) }
```

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

```
.border{ border-color:rgb(20, 52, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 52, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 52, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 52, 45);  
box-shadow:4px 4px 4px 4px rgb(20, 52, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.938, 176.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 52, 45) }
```

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

```
.background{ background-color: rgb(20, 52,  
45) }
```

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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