

Converting Colors

CIELCh(17, 19.311, 138.263)

Have a look what the booklet for
CIELCh(17, 19.311, 138.263)
contains.

CIELCh(17, 19.299, 138.362)	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, 19.299, 138.362)

Conversions

Conversions Part 1

Format	Color
Hex	1A2F17
RGB	26, 47, 23
RGB Percent	10%, 18%, 9%
CMY	0.8985, 0.8162, 0.9103
CMYK	0.45, 0.00, 0.51, 0.82
HSL	113°, 34%, 14%
HSV	113°, 51%, 18%
XYZ	1.5878, 2.3023, 1.1652
YIQ	37.9850, -4.8120, -11.9160

Conversions

Conversions Part 2

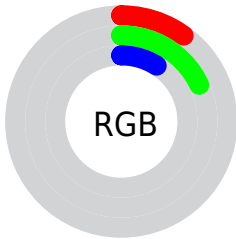
Format	Color
R_{YB}	23, 47, 44
Decimal	1715991
CIE _{Lab}	17.00, -14.42, 12.82
CIE _{LCh}	17, 19.299, 138.362
Yxy	2.3023, 0.3141, 0.4554
Android (android.graphics.Color)	4279906071 (0xFF1A2F17)
YUV	37.9850, -7.3876, -10.5108
Hunter-Lab	15.1734, -7.8742, 6.0683

Details

The CIELCh color **17, 19.299, 138.362** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 19.473, 322.942**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 19.176, 137.837**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 22.836, 137.706**, and if you desaturate by 10%, it is **17, 15.615, 138.991**.

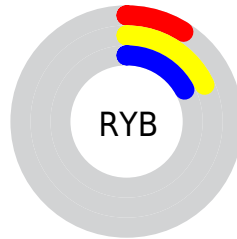
Distribution



Red (10%)

Green (18%)

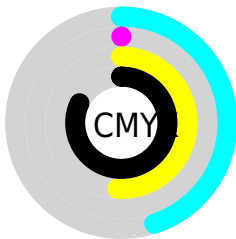
Blue (9%)



Red (9%)

Yellow (18%)

Blue (17%)

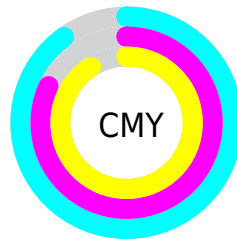


Cyan (45%)

Magenta (0%)

Yellow (51%)

Black (82%)



Cyan (90%)

Magenta (82%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 19.299, 138.362 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, 19.299, 138.362 by changing the saturation by 10% instead.

■ 17, 19.299,
138.362

■ 17, 19.299,
138.362

■ 100, 19.299,
138.362

■ 7, 19.299, 138.362

■ 37, 19.299,
138.362

■ 0, 19.299, 138.362

■ 47, 19.299,
138.362


■ 57, 19.299,
138.362


■ 67, 19.299,
138.362


■ 77, 19.299,
138.362


■ 87, 19.299,


138.362


 97, 19.299,
138.362


 17, 19.299,
138.362


 17, 19.299,
138.362

 17, 22.836,
137.706


 17, 15.615,
138.991

 16, 25.978,
137.453

 18, 11.845,
139.571


 16, 28.609,
137.592

 18, 8.036, 140.097

 16, 31.036,
137.609

 19, 4.225, 140.573

 19, 0.440, 141.156

 16, 33.187,
137.608

 20, 3.297, 321.305

■ 20, 6.971, 321.637

■ 21, 10.571,
321.920

■ 22, 14.091,
322.165

Harmonies

Complementary

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



17, 19.299, 138.362



12, 19.473, 322.942

Rectangle

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



17, 19.299, 138.362



17, 19.299, 188.362



17, 19.299, 318.362



17, 19.299, 8.362

Sweetspot

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



17, 19.299, 138.363



25, 7.110, 140.356



18, 14.207, 99.488



11, 4.736, 140.347



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



17, 19.299, 138.363



23, 28.373, 137.477



17, 15.330, 153.224



7, 1.900, 141.177



31, 53.676, 134.775



75, 104.193, 135.445

Inverse Universe

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



12, 19.473, 322.942



15, 28.600, 323.346



12, 15.640, 340.616



7, 1.898, 320.844



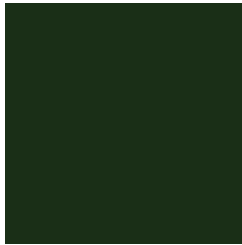
17, 53.100, 323.772



46, 102.273, 323.382

Previews

White Background



This preview shows how the CIELCh color 17, 19.299, 138.362 looks on a white background.

Color Contrast Check

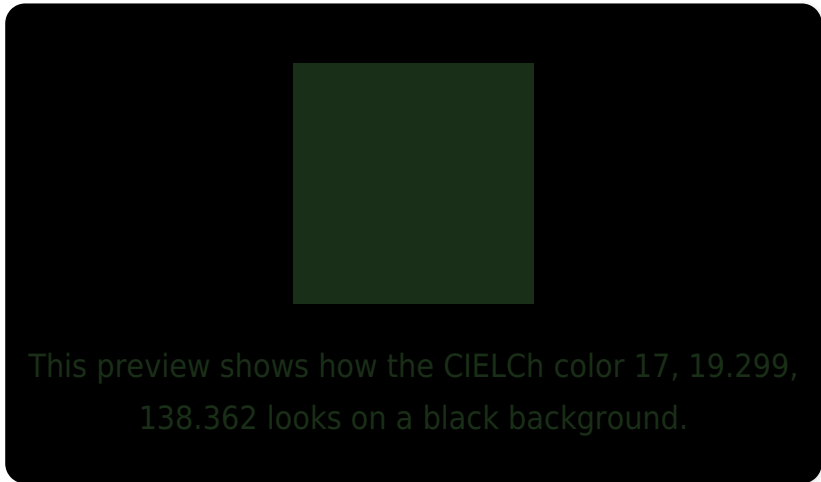
Large Text (above 18pt) WCAG AA ✓ Pass

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

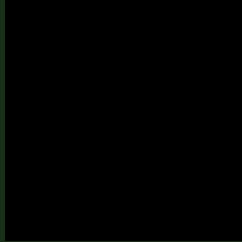
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 19.299, 138.362

Background



This preview shows how black text looks on a background with the CIELCh color 17, 19.299, 138.362.



This preview shows how white text looks on a background with the CIELCh color 17, 19.299, 138.362.

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, 19.299, 138.362

Protanopia

17, 14.476, 97.647

Deuteranopia

17, 12.082, 77.614



Tritanopia
17, 6.135, 225.541

Trichromacy



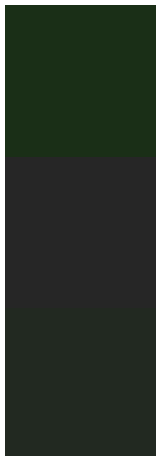
Original Color
17, 19.299, 138.362

Protanomaly
17, 15.117, 116.420

Deuteranomaly
17, 12.321, 106.876

Tritanomaly
17, 8.501, 168.155

Monochromacy



Original Color
17, 19.299, 138.362

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 6.603, 140.203

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 19.299, 138.362 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(26, 47, 23)` looks like.

```
.text, #text, p{  
    color:rgb(26, 47, 23)  
}
```

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(26, 47, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 47, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 19.299, 138.362 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(26, 47, 23) }
```

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

```
.border{ border-color:rgb(26, 47, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 47, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 47, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 47, 23);  
box-shadow:4px 4px 4px 4px rgb(26, 47, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 19.299, 138.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 47, 23) }
```

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

```
.background{ background-color: rgb(26, 47,  
23) }
```

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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