

Converting Colors

CIELCh(19, 24.177, 140.515)

Have a look what the booklet for
CIELCh(19, 24.177, 140.515)
contains.

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Color

CIELCh(19, 24.388, 140.601)

Conversions

Conversions Part 1

Format	Color
Hex	173517
RGB	23, 53, 23
RGB Percent	9%, 21%, 9%
CMY	0.9114, 0.7938, 0.9113
CMYK	0.57, 0.00, 0.57, 0.79
HSL	120°, 40%, 15%
HSV	120°, 57%, 21%
XYZ	1.7495, 2.7468, 1.2291
YIQ	40.6100, -8.2500, -15.6900

Conversions

Conversions Part 2

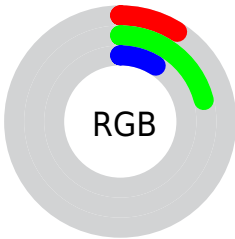
Format	Color
RYB	23, 53, 53
Decimal	1520919
CIELab	19.00, -18.85, 15.48
CIELCh	19, 24.388, 140.601
Yxy	2.7468, 0.3056, 0.4798
Android (android.graphics.Color)	4279710999 (0xFF173517)
YUV	40.6100, -8.6817, -15.4440
Hunter-Lab	16.5735, -10.1613, 7.2043

Details

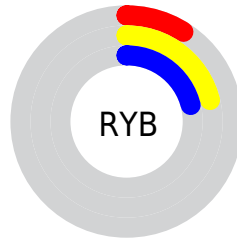
The CIELCh color **19, 24.388, 140.601** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **13, 24.276, 326.989**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 24.564, 140.069**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 28.164, 139.662**, and if you desaturate by 10%, it is **19, 20.340, 141.479**.

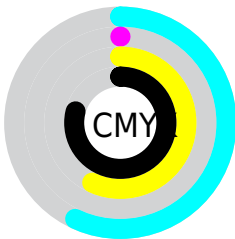
Distribution



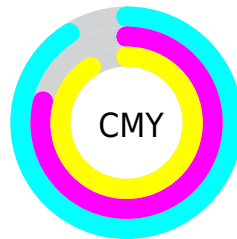
- Red (9%)
- Green (21%)
- Blue (9%)



- Red (9%)
- Yellow (21%)
- Blue (21%)



- Cyan (57%)
- Magenta (0%)
- Yellow (57%)
- Black (79%)



- Cyan (91%)
- Magenta (79%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 24.388, 140.601 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, 24.388, 140.601 by changing the saturation by 10% instead.

■ 19, 24.388,
140.601

■ 19, 24.388,
140.601

■ 100, 24.388,
140.601

■ 9, 24.388, 140.601

■ 39, 24.388,
140.601

■ 0, 24.388, 140.601

■ 49, 24.388,
140.601


■ 59, 24.388,
140.601


■ 69, 24.388,
140.601

■ 79, 24.388,
140.601

■ 89, 24.388,


140.601


 99, 24.388,
140.601


 19, 24.388,
140.601

 19, 24.388,
140.601


 19, 28.164,
139.662


 19, 20.340,
141.479

 18, 31.431,
138.962


 20, 16.111,
142.274

 18, 34.124,
138.643

 20, 11.780,
142.983

 18, 36.842,
138.507

 21, 7.408, 143.609

 18, 37.661,
138.497

 22, 3.046, 144.171

 22, 1.270, 324.528

■ 23, 5.512, 324.998

■ 24, 9.662, 325.360

■ 24, 13.708,
325.671

Harmonies

Complementary

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



19, 24.388, 140.601



13, 24.276, 326.989

Rectangle

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



19, 24.388, 140.601



19, 24.388, 190.601



19, 24.388, 320.601



19, 24.388, 10.601

Sweetspot

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



19, 24.388, 140.601



28, 9.260, 143.560



21, 19.509, 105.616



13, 6.257, 143.542



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



19, 24.388, 140.601



25, 35.425, 139.228



19, 16.718, 158.652



9, 2.327, 144.135



32, 55.651, 136.041



76, 105.926, 136.025

Inverse Universe

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



13, 24.276, 326.989



17, 35.039, 327.492



12, 17.630, 348.728



8, 2.332, 324.824



19, 53.676, 328.281



51, 102.117, 328.285

Previews

White Background



This preview shows how the CIE LCh color 19, 24.388, 140.601 looks on a white background.

Color Contrast Check

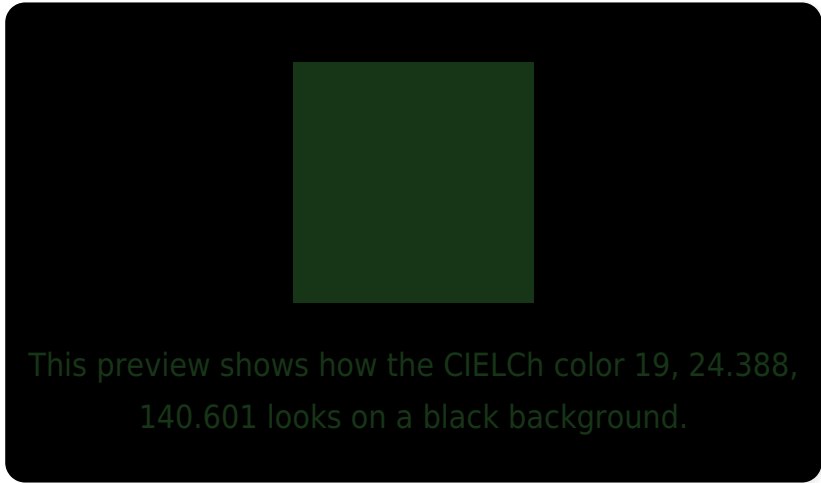
Large Text (above 18pt) WCAG AA ✓ Pass

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

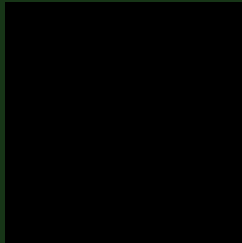
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 24.388, 140.601

Background



This preview shows how black text looks on a background with the CIELCh color 19, 24.388, 140.601.



This preview shows how white text looks on a background with the CIELCh color 19, 24.388, 140.601.

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

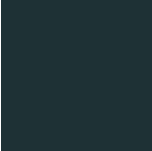
19, 24.388, 140.601

Protanopia

19, 16.937, 96.675

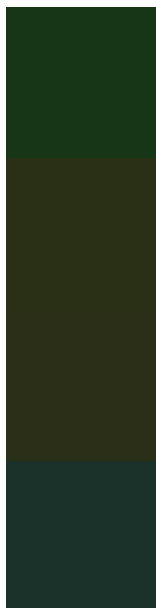
Deuteranopia

19, 14.859, 78.410



Tritanopia
19, 8.138, 217.876

Trichromacy



Original Color
19, 24.388, 140.601

Protanomaly
19, 17.659, 117.959

Deuteranomaly
19, 15.473, 112.211

Tritanomaly
19, 11.595, 168.793

Monochromacy



Original Color
19, 24.388, 140.601

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 9.336, 143.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 24.388, 140.601 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(23, 53, 23)` looks like.

```
.text, #text, p{  
    color:rgb(23, 53, 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(23, 53, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 53, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 24.388, 140.601 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(23, 53, 23) }
```

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

```
.border{ border-color:rgb(23, 53, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 53, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 53, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 53, 23);  
box-shadow:4px 4px 4px 4px rgb(23, 53, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 24.388, 140.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 53, 23) }
```

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

```
.background{ background-color: rgb(23, 53,  
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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