

Converting Colors

CIELCh(19, 27.982, 139.591)

Have a look what the booklet for
CIELCh(19, 27.982, 139.591)
contains.

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Color

CIELCh(19, 27.995, 139.717)

Conversions

Conversions Part 1

Format	Color
Hex	123512
RGB	18, 53, 18
RGB Percent	7%, 21%, 7%
CMY	0.9283, 0.7911, 0.9284
CMYK	0.66, 0.00, 0.66, 0.79
HSL	120°, 49%, 14%
HSV	120°, 66%, 21%
XYZ	1.6516, 2.7468, 1.0261
YIQ	38.5450, -9.6250, -18.3050

Conversions

Conversions Part 2

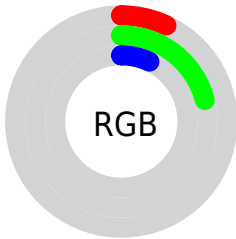
Format	Color
RYB	18, 53, 53
Decimal	1193234
CIELab	19.00, -21.36, 18.10
CIELCh	19, 27.995, 139.717
Yxy	2.7468, 0.3045, 0.5064
Android (android.graphics.Color)	4279383314 (0xFF123512)
YUV	38.5450, -10.1287, -18.0180
Hunter-Lab	16.5735, -11.2160, 7.9308

Details

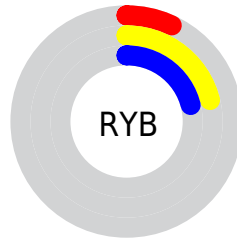
The CIELCh color **19, 27.995, 139.717** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 27.773, 327.234**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 27.986, 139.347**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 31.397, 138.921**, and if you desaturate by 10%, it is **19, 24.140, 140.650**.

Distribution



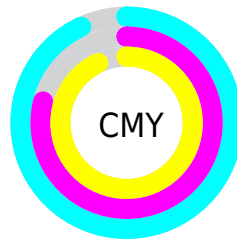
- Red (7%)
- Green (21%)
- Blue (7%)



- Red (7%)
- Yellow (21%)
- Blue (21%)



- Cyan (66%)
- Magenta (0%)
- Yellow (66%)
- Black (79%)




- Cyan (93%)
- Magenta (79%)
- Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 27.995, 139.717 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, 27.995, 139.717 by changing the saturation by 10% instead.

 19, 27.995,
139.717


 19, 27.995,
139.717


 100, 27.995,
139.717


 9, 27.995, 139.717


 39, 27.995,
139.717

 0, 27.995, 139.717

 49, 27.995,
139.717


 59, 27.995,
139.717


 69, 27.995,
139.717


 79, 27.995,
139.717


 89, 27.995,


139.717


 99, 27.995,
139.717


 19, 27.995,
139.717


 19, 27.995,
139.717


 19, 31.397,
138.921


 19, 24.140,
140.650


 19, 34.157,
138.537

 20, 20.020,
141.518

 18, 36.880,
138.346

 20, 15.727,
142.304

 18, 38.066,
138.313

 21, 11.338,
143.002

 21, 6.916, 143.619

■ 22, 2.508, 144.178

■ 23, 1.849, 324.544

■ 23, 6.128, 324.984

■ 24, 10.312,
325.338

Harmonies

Complementary

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



19, 27.995, 139.717



12, 27.773, 327.234

Rectangle

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



19, 27.995, 139.717



19, 27.995, 189.717



19, 27.995, 319.717



19, 27.995, 9.717

Sweetspot

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



19, 27.995, 139.717



28, 10.910, 143.305



21, 22.097, 104.204



13, 7.520, 143.257



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, 27.995, 139.717



25, 39.772, 138.088



19, 19.461, 156.735



9, 2.328, 144.070



32, 55.677, 136.005



76, 105.943, 136.012

Inverse Universe

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



12, 27.773, 327.234



16, 39.074, 327.733



12, 20.437, 348.844



8, 2.333, 324.758



19, 53.730, 328.190



51, 102.228, 328.186

Previews

White Background



This preview shows how the CIE LCh color 19, 27.995, 139.717 looks on a white background.

Color Contrast Check

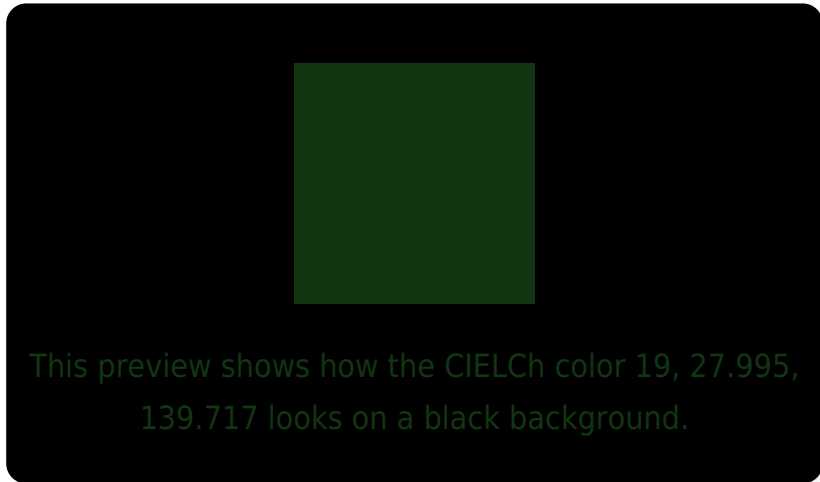
Large Text (above 18pt) WCAG AA ✓ Pass

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

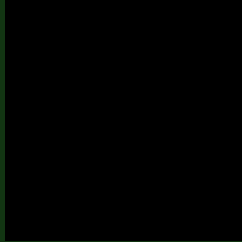
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 27.995, 139.717

Background



This preview shows how black text looks on a background with the CIELCh color 19, 27.995, 139.717.



This preview shows how white text looks on a background with the CIELCh color 19, 27.995, 139.717.

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](#).

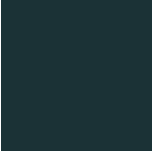
Dichromacy



Original Color
19, 27.995, 139.717

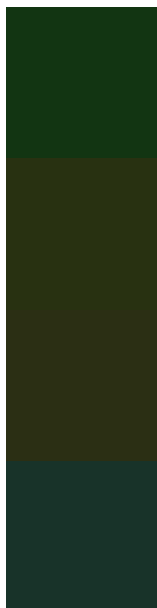
Protanopia
19, 20.018, 95.628

Deuteranopia
19, 17.244, 81.555



Tritanopia
19, 9.419, 214.830

Trichromacy



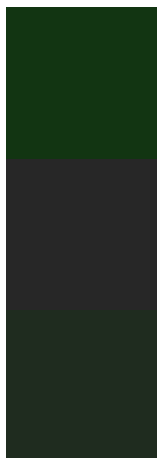
Original Color
19, 27.995, 139.717

Protanomaly
19, 21.390, 118.019

Deuteranomaly
18, 18.027, 112.519

Tritanomaly
19, 13.648, 166.581

Monochromacy



Original Color
19, 27.995, 139.717

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 11.076, 142.860

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 27.995, 139.717 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(18, 53, 18)` looks like.

```
.text, #text, p{  
    color:rgb(18, 53, 18)  
}
```

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(18, 53, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 53, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 27.995, 139.717 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(18, 53, 18) }
```

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

```
.border{ border-color:rgb(18, 53, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 53, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 53, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 53, 18);  
box-shadow:4px 4px 4px 4px rgb(18, 53, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 27.995, 139.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 53, 18) }
```

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

```
.background{ background-color: rgb(18, 53,  
18) }
```

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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