

Converting Colors

CIELCh(19, 27.863, 135.304)

Have a look what the booklet for
CIELCh(19, 27.863, 135.304)
contains.

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Color

CIELCh(19, 27.921, 135.569)

Conversions

Conversions Part 1

Format	Color
Hex	173510
RGB	23, 53, 16
RGB Percent	9%, 21%, 6%
CMY	0.9105, 0.7929, 0.9379
CMYK	0.57, 0.00, 0.70, 0.79
HSL	109°, 54%, 13%
HSV	109°, 70%, 21%
XYZ	1.7064, 2.7468, 0.9237
YIQ	39.8120, -6.0030, -17.8670

Conversions

Conversions Part 2

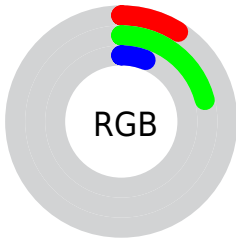
Format	Color
RYB	16, 53, 46
Decimal	1520912
CIELab	19.00, -19.94, 19.55
CIELCh	19, 27.921, 135.569
Yxy	2.7468, 0.3174, 0.5108
Android (android.graphics.Color)	4279710992 (0xFF173510)
YUV	39.8120, -11.7393, -14.7441
Hunter-Lab	16.5735, -10.6253, 8.2969

Details

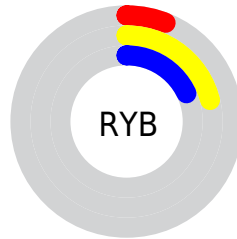
The CIELCh color **19, 27.921, 135.569** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 28.421, 321.525**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 28.124, 135.471**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 31.003, 135.429**, and if you desaturate by 10%, it is **19, 24.310, 136.133**.

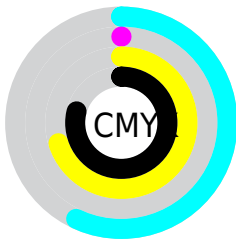
Distribution



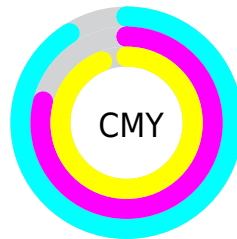
- Red (9%)
- Green (21%)
- Blue (6%)



- Red (6%)
- Yellow (21%)
- Blue (18%)



- Cyan (57%)
- Magenta (0%)
- Yellow (70%)
- Black (79%)




- Cyan (91%)
- Magenta (79%)
- Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 27.921, 135.569 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, 27.921, 135.569 by changing the saturation by 10% instead.

 19, 27.921,
135.569

 19, 27.921,
135.569


 100, 27.921,
135.569


 9, 27.921, 135.569


 39, 27.921,
135.569

 0, 27.921, 135.569

 49, 27.921,
135.569


 59, 27.921,
135.569


 69, 27.921,
135.569

 79, 27.921,
135.569


 89, 27.921,


135.569

 99, 27.921,
135.569


 19, 27.921,
135.569


 19, 27.921,
135.569


 19, 31.003,
135.429


 19, 24.310,
136.133

 19, 33.669,
135.460

 20, 20.459,
136.722

 18, 36.242,
135.270

 20, 16.456,
137.294

 20, 12.366,
137.829

 21, 8.238, 138.320

■ 22, 4.109, 138.769

■ 22, 0.010, 147.142

■ 23, 4.038, 319.463

■ 23, 8.021, 319.777

Harmonies

Complementary

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



19, 27.921, 135.569



11, 28.421, 321.525

Rectangle

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



19, 27.921, 135.569



19, 27.921, 185.569



19, 27.921, 315.569



19, 27.921, 5.569

Sweetspot

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



19, 27.921, 135.570



28, 10.787, 138.223



19, 19.958, 93.320



13, 7.376, 138.193



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, 27.921, 135.570



25, 39.885, 134.724



19, 23.820, 148.294



9, 2.193, 138.874



32, 54.244, 134.043



76, 104.324, 134.873

Inverse Universe

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



11, 28.421, 321.525



13, 40.398, 321.720



11, 23.807, 339.081



8, 2.204, 319.420



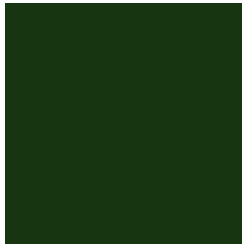
16, 54.565, 321.566



45, 104.036, 321.023

Previews

White Background



This preview shows how the CIELCh color 19, 27.921, 135.569 looks on a white background.

Color Contrast Check

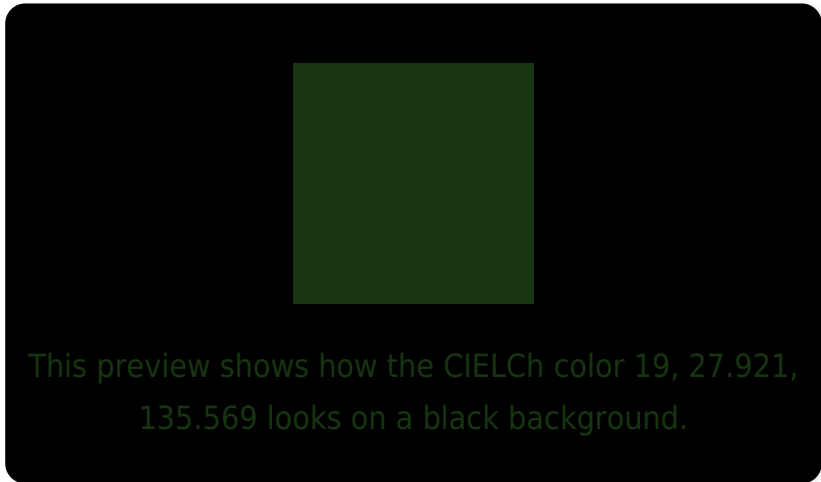
Large Text (above 18pt) WCAG AA ✓ Pass

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

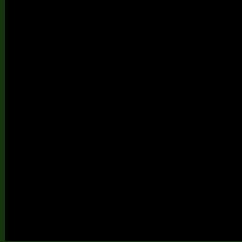
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 27.921, 135.569

Background



This preview shows how black text looks on a background with the CIELCh color 19, 27.921, 135.569.



This preview shows how white text looks on a background with the CIELCh color 19, 27.921, 135.569.

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](#).

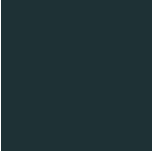
Dichromacy



Original Color
19, 27.921, 135.569

Protanopia
19, 21.063, 95.838

Deuteranopia
19, 18.425, 82.737



Tritanopia
19, 8.138, 217.876

Trichromacy



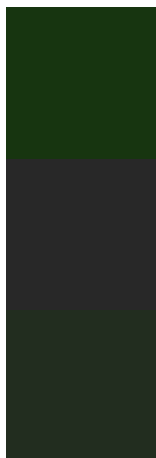
Original Color
19, 27.921, 135.569

Protanomaly
18, 21.691, 114.945

Deuteranomaly
19, 19.134, 108.636

Tritanomaly
19, 12.883, 161.051

Monochromacy



Original Color
19, 27.921, 135.569

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 11.099, 137.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 27.921, 135.569 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, 16)` looks like.

```
.text, #text, p{  
    color:rgb(23, 53, 16)  
}
```

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, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 53, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 27.921, 135.569 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, 16) }
```

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

```
.border{ border-color:rgb(23, 53, 16) }
```

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, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 53, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 53, 16);  
box-shadow:4px 4px 4px 4px rgb(23, 53, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 27.921, 135.569 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, 16) }
```

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

```
.background{ background-color: rgb(23, 53,  
16) }
```

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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