

Converting Colors

CIELCh(17, 45.528, 158.658)

Have a look what the booklet for
CIELCh(17, 45.528, 158.658)
contains.

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Color

CIELCh(19, 32.643, 144.621)

Conversions

Conversions Part 1

Format	Color
Hex	013711
RGB	1, 55, 17
RGB Percent	0%, 22%, 7%
CMY	0.9973, 0.7855, 0.9347
CMYK	0.99, 0.00, 0.70, 0.79
HSL	138°, 98%, 11%
HSV	138°, 99%, 21%
XYZ	1.4584, 2.7468, 0.9689
YIQ	34.5220, -19.9860, -23.2660

Conversions

Conversions Part 2

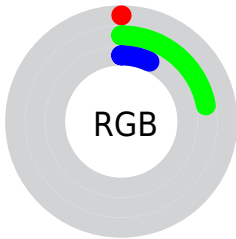
Format	Color
R _Y B	1, 43, 55
Decimal	79633
CIE Lab	19.00, -26.62, 18.90
CIE LCh	19, 32.643, 144.621
Yxy	2.7468, 0.2819, 0.5309
Android (android.graphics.Color)	4278269713 (0xFF013711)
YUV	34.5220, -8.6383, -29.3988
Hunter-Lab	16.5735, -13.2961, 8.1353

Details

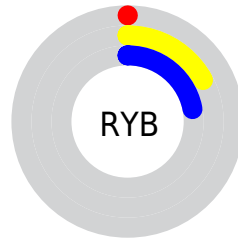
The CIELCh color **19, 32.643, 144.621** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **9, 31.620, 341.472**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 32.956, 144.279**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 32.976, 144.525**, and if you desaturate by 10%, it is **19, 29.931, 145.594**.

Distribution



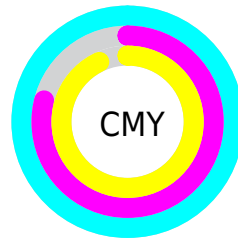
- Red (0%)
- Green (22%)
- Blue (7%)



- Red (0%)
- Yellow (17%)
- Blue (22%)



- Cyan (99%)
- Magenta (0%)
- Yellow (70%)
- Black (79%)





- Cyan (100%)
- Magenta (79%)
- Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 32.643, 144.621 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, 32.643, 144.621 by changing the saturation by 10% instead.

 19, 32.643,
144.621


 19, 32.643,
144.621


 100, 32.643,
144.621


 9, 32.643, 144.621


 39, 32.643,
144.621

 0, 32.643, 144.621

 49, 32.643,
144.621


 59, 32.643,
144.621


 69, 32.643,
144.621


 79, 32.643,
144.621


 89, 32.643,


144.621


 99, 32.643,
144.621


 19, 32.643,
144.621


 19, 32.643,
144.621

 19, 32.976,
144.525

 19, 29.931,
145.594

 19, 27.170,
146.910

 20, 24.199,
148.224

 20, 20.994,
149.404

 20, 17.605,
150.456

■ 21, 14.083,
151.390

■ 21, 10.476,
152.219

■ 22, 6.828, 152.959

■ 22, 3.175, 153.633

Harmonies

Complementary

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



19, 32.643, 144.621



9, 31.620, 341.472

Rectangle

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



19, 32.643, 144.621



19, 32.643, 194.621



19, 32.643, 324.621



19, 32.643, 14.621

Sweetspot

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



19, 32.643, 144.621



28, 13.656, 152.001



21, 32.052, 118.230



13, 9.129, 151.922



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, 32.643, 144.621



26, 40.267, 143.372



20, 20.297, 172.451



10, 2.051, 153.659



33, 48.717, 142.520



77, 95.448, 140.773

Inverse Universe

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



9, 31.620, 341.472



13, 37.714, 342.431



8, 28.036, 14.284



9, 2.061, 334.539



19, 44.459, 343.135



49, 82.436, 344.795

Previews

White Background



This preview shows how the CIELCh color 19, 32.643, 144.621 looks on a white background.

Color Contrast Check

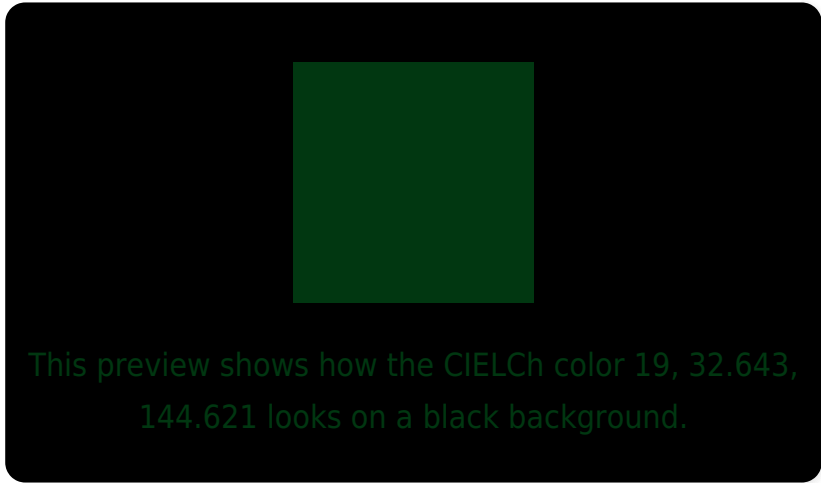
Large Text (above 18pt) WCAG AA ✓ Pass

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

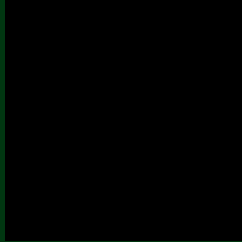
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 32.643, 144.621

Background



This preview shows how black text looks on a background with the CIELCh color 19, 32.643, 144.621.



This preview shows how white text looks on a background with the CIELCh color 19, 32.643, 144.621.

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, 32.606, 144.670

Protanopia

19, 21.015, 97.421

Deuteranopia

19, 18.371, 82.854



Tritanopia
19, 11.170, 211.772

Trichromacy



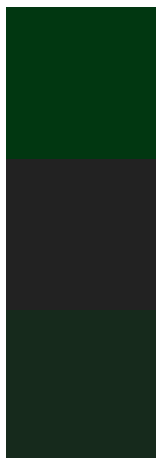
Original Color
19, 32.606, 144.670

Protanomaly
19, 23.750, 126.555

Deuteranomaly
19, 20.698, 123.004

Tritanomaly
19, 16.944, 169.688

Monochromacy



Original Color
19, 32.606, 144.670

Achromatopsia
13, 0.003, 296.813

Achromatomaly
15, 13.748, 151.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 32.643, 144.621 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(1, 55, 17)` looks like.

```
.text, #text, p{  
    color:rgb(1, 55, 17)  
}
```

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(1, 55, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 55, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 32.643, 144.621 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(1, 55, 17) }
```

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

```
.border{ border-color:rgb(1, 55, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 55, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 55, 17); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 55, 17); box-shadow:4px  
4px 4px 4px rgb(1, 55, 17) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 32.643, 144.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 55, 17) }
```

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

```
.background{ background-color: rgb(1, 55,  
17) }
```

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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