

Converting Colors

CIELCh(19, 25.345, 140.303)

Have a look what the booklet for
CIELCh(19, 25.345, 140.303)
contains.

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Color

CIELCh(19, 25.645, 139.642)

Conversions

Conversions Part 1

Format	Color
Hex	163515
RGB	22, 53, 21
RGB Percent	9%, 21%, 8%
CMY	0.9146, 0.7930, 0.9185
CMYK	0.59, 0.00, 0.61, 0.79
HSL	118°, 43%, 14%
HSV	118°, 61%, 21%
XYZ	1.7220, 2.7468, 1.1388
YIQ	40.0830, -8.2040, -16.5240

Conversions

Conversions Part 2

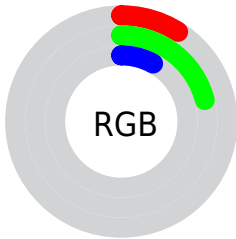
Format	Color
RYB	21, 53, 52
Decimal	1455381
CIELab	19.00, -19.54, 16.61
CIELCh	19, 25.645, 139.642
Yxy	2.7468, 0.3071, 0.4898
Android (android.graphics.Color)	4279645461 (0xFF163515)
YUV	40.0830, -9.4079, -15.8588
Hunter-Lab	16.5735, -10.4578, 7.5275

Details

The CIELCh color **19, 25.645, 139.642** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **13, 25.570, 326.163**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 25.802, 139.349**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 29.295, 138.786**, and if you desaturate by 10%, it is **19, 21.686, 140.487**.

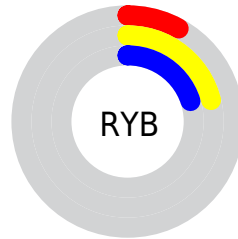
Distribution



Red (9%)

Green (21%)

Blue (8%)



Red (8%)

Yellow (21%)

Blue (20%)

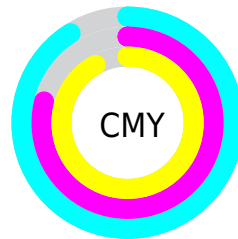


Cyan (59%)

Magenta (0%)

Yellow (61%)

Black (79%)



Cyan (91%)


Magenta (79%)


Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 25.645, 139.642 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, 25.645, 139.642 by changing the saturation by 10% instead.

 19, 25.645,
139.642

 19, 25.645,
139.642


 100, 25.645,
139.642


 9, 25.645, 139.642


 39, 25.645,
139.642

 0, 25.645, 139.642

 49, 25.645,
139.642


 59, 25.645,
139.642


 69, 25.645,
139.642


 79, 25.645,
139.642


 89, 25.645,

139.642


 99, 25.645,
139.642


 19, 25.645,
139.642


 19, 25.645,
139.642


 19, 29.295,
138.786


 19, 21.686,
140.487

 18, 32.331,
138.331

 20, 17.526,
141.266

 18, 34.970,
138.057

 20, 13.244,
141.968

 18, 37.518,
137.928

 21, 8.906, 142.593

 21, 4.563, 143.148

 22, 0.254, 143.991

■ 23, 3.993, 323.990

■ 23, 8.155, 324.361

■ 24, 12.221,
324.677

Harmonies

Complementary

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



19, 25.645, 139.642



13, 25.570, 326.163

Rectangle

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



19, 25.645, 139.642



19, 25.645, 189.642



19, 25.645, 319.642



19, 25.645, 9.642

Sweetspot

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



19, 25.645, 139.642



28, 9.719, 142.690



21, 20.094, 103.799



13, 6.824, 142.628



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, 25.645, 139.642



25, 37.271, 138.218



19, 18.221, 156.561



9, 2.306, 143.302



32, 55.461, 135.722



76, 105.797, 135.912

Inverse Universe

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



13, 25.570, 326.163



16, 36.888, 326.642



12, 19.030, 347.155



8, 2.312, 323.962



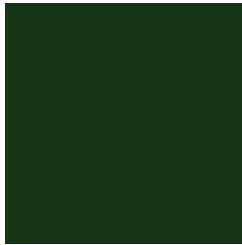
19, 53.798, 327.115



50, 102.371, 327.019

Previews

White Background



This preview shows how the CIELCh color 19, 25.645, 139.642 looks on a white background.

Color Contrast Check

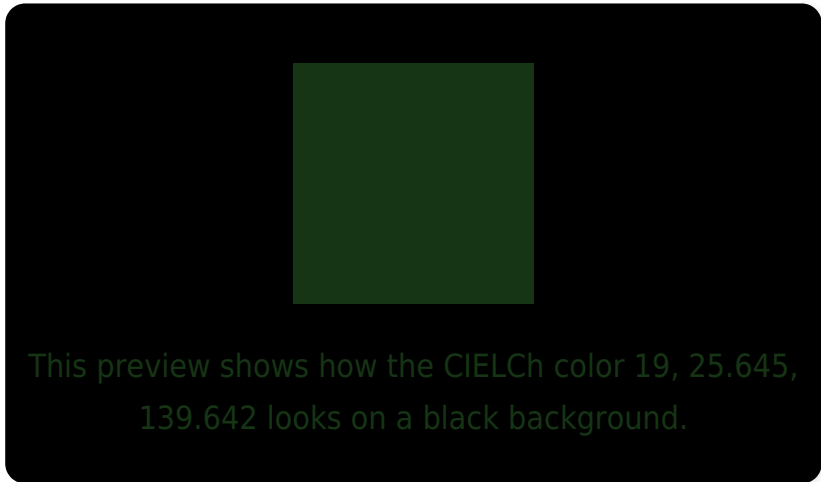
Large Text (above 18pt) WCAG AA ✓ Pass

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

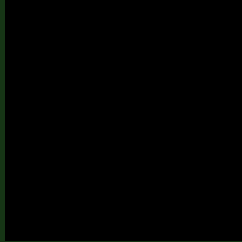
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 25.645, 139.642

Background



This preview shows how black text looks on a background with the CIELCh color 19, 25.645, 139.642.



This preview shows how white text looks on a background with the CIELCh color 19, 25.645, 139.642.

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

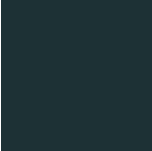
19, 25.645, 139.642

Protanopia

19, 18.166, 96.935

Deuteranopia

19, 16.053, 80.132



Tritanopia
19, 8.467, 217.021

Trichromacy



Original Color
19, 25.645, 139.642

Protanomaly
18, 18.984, 118.479

Deuteranomaly
18, 16.732, 111.491

Tritanomaly
19, 12.325, 166.842

Monochromacy



Original Color
19, 25.645, 139.642

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 10.188, 143.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 25.645, 139.642 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(22, 53, 21)` looks like.

```
.text, #text, p{  
    color:rgb(22, 53, 21)  
}
```

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(22, 53, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 53, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 25.645, 139.642 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(22, 53, 21) }
```

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

```
.border{ border-color:rgb(22, 53, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 53, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 53, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 53, 21);  
box-shadow:4px 4px 4px 4px rgb(22, 53, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 25.645, 139.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 53, 21) }
```

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

```
.background{ background-color: rgb(22, 53,  
21) }
```

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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