

Converting Colors

CIELCh(19, 14.812, 142.203)

Have a look what the booklet for
CIELCh(19, 14.812, 142.203)
contains.

CIELCh(19, 14.194, 142.492)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 14.194, 142.492)

Conversions

Conversions Part 1

Format	Color
Hex	213221
RGB	33, 50, 33
RGB Percent	13%, 20%, 13%
CMY	0.8694, 0.8027, 0.8695
CMYK	0.34, 0.00, 0.34, 0.80
HSL	120°, 20%, 16%
HSV	120°, 34%, 20%
XYZ	2.0687, 2.7468, 1.8811
YIQ	42.9790, -4.6750, -8.8910

Conversions

Conversions Part 2

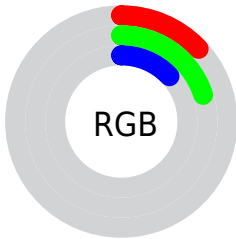
Format	Color
R_{YB}	33, 50, 50
Decimal	2175521
CIE _{Lab}	19.00, -11.26, 8.64
CIE _{LCh}	19, 14.194, 142.492
Yxy	2.7468, 0.3089, 0.4102
Android (android.graphics.Color)	4280365601 (0xFF213221)
YUV	42.9790, -4.9196, -8.7516
Hunter-Lab	16.5735, -6.7229, 4.8722

Details

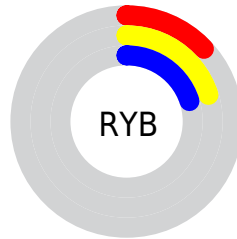
The CIELCh color **19, 14.194, 142.492** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **16, 14.195, 325.958**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 13.989, 141.951**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 18.314, 141.736**, and if you desaturate by 10%, it is **20, 10.000, 143.164**.

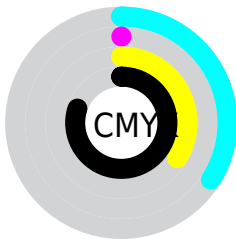
Distribution



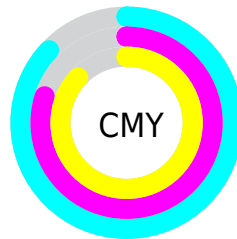
- Red (13%)
- Green (20%)
- Blue (13%)



- Red (13%)
- Yellow (20%)
- Blue (20%)



- Cyan (34%)
- Magenta (0%)
- Yellow (34%)
- Black (80%)



- Cyan (87%)
- Magenta (80%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 14.194, 142.492 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, 14.194, 142.492 by changing the saturation by 10% instead.

■ 19, 14.194,
142.492

■ 19, 14.194,
142.492

■ 100, 14.194,
142.492

■ 9, 14.194, 142.492

■ 39, 14.194,
142.492

■ 0, 14.194, 142.492

■ 49, 14.194,
142.492

■ 59, 14.194,
142.492


■ 69, 14.194,
142.492

■ 79, 14.194,
142.492


■ 89, 14.194,


142.492


 99, 14.194,
142.492

 19, 14.194,
142.492


 19, 14.194,
142.492

 19, 18.314,
141.736

 20, 10.000,
143.164


 18, 22.290,
140.896

 20, 5.784, 143.759


 18, 26.040,
139.988


 21, 1.590, 144.316

 21, 2.550, 324.660

 18, 29.343,
139.316

 22, 6.613, 325.070

 17, 32.038,
139.045

 23, 10.584,
325.412

■ 17, 34.675,
138.965

■ 24, 14.453,
325.706

■ 17, 36.351,
138.992

■ 24, 18.214,
325.962

■ 25, 21.866,
326.186

Harmonies

Complementary

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



19, 14.194, 142.492



16, 14.195, 325.958

Rectangle

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



19, 14.194, 142.492



19, 14.194, 192.492



19, 14.194, 322.492



19, 14.194, 12.492

Sweetspot

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



19, 14.195, 142.492



27, 5.263, 143.940



20, 11.207, 106.743



12, 3.513, 143.927



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



19, 14.195, 142.492



25, 21.605, 141.780



19, 9.920, 160.202



9, 2.328, 144.091



32, 55.683, 136.012



76, 105.947, 136.015

Inverse Universe

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



16, 14.195, 325.958



20, 21.581, 326.367



15, 10.243, 345.308



8, 2.334, 324.779



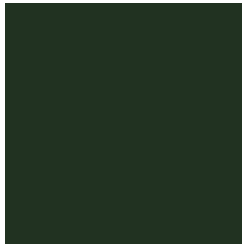
19, 53.728, 328.219



51, 102.225, 328.218

Previews

White Background



This preview shows how the CIELCh color 19, 14.194, 142.492 looks on a white background.

Color Contrast Check

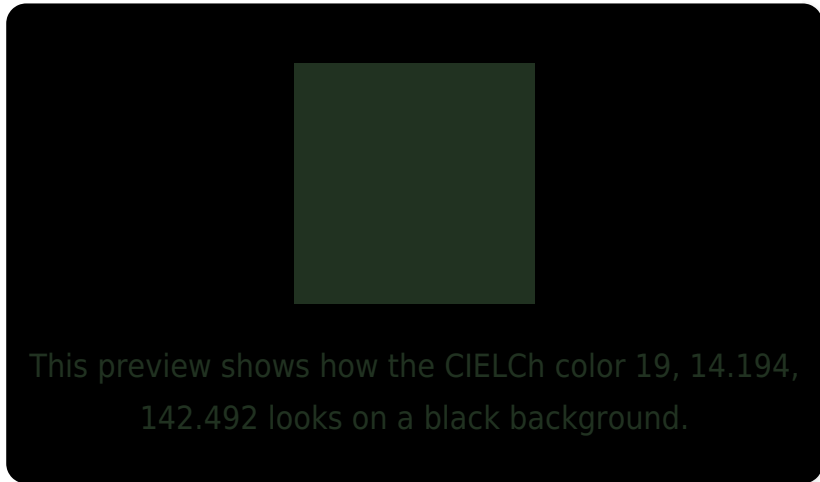
Large Text (above 18pt) WCAG AA ✓ Pass

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, 14.194, 142.492

Background



This preview shows how black text looks on a background with the CIELCh color 19, 14.194, 142.492.

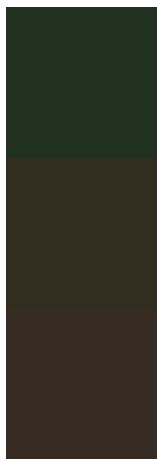


This preview shows how white text looks on a background with the CIELCh color 19, 14.194, 142.492.

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, 14.194, 142.492

Protanopia

19, 10.401, 96.025

Deuteranopia

19, 8.097, 68.945



Tritanopia
19, 5.400, 229.295

Trichromacy



Original Color
19, 14.194, 142.492

Protanomaly
19, 10.998, 118.180

Deuteranomaly
19, 8.170, 108.118

Tritanomaly
19, 6.557, 173.339

Monochromacy



Original Color
19, 14.194, 142.492

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 5.905, 143.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 14.194, 142.492 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(33, 50, 33)` looks like.

```
.text, #text, p{  
    color:rgb(33, 50, 33)  
}
```

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(33, 50, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 50, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 14.194, 142.492 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(33, 50, 33) }
```

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

```
.border{ border-color:rgb(33, 50, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 50, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 50, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 50, 33);  
box-shadow:4px 4px 4px 4px rgb(33, 50, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 14.194, 142.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 50, 33) }
```

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

```
.background{ background-color: rgb(33, 50,  
33) }
```

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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