

Converting Colors

CIELCh(19, 24.291, 144.240)

Have a look what the booklet for
CIELCh(19, 24.291, 144.240)
contains.

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Color

CIELCh(19, 24.252, 144.774)

Conversions

Conversions Part 1

Format	Color
Hex	133519
RGB	19, 53, 25
RGB Percent	7%, 21%, 10%
CMY	0.9258, 0.7925, 0.9022
CMYK	0.64, 0.00, 0.53, 0.79
HSL	131°, 47%, 14%
HSV	131°, 64%, 21%
XYZ	1.7114, 2.7468, 1.3558
YIQ	39.6420, -11.2760, -15.9160

Conversions

Conversions Part 2

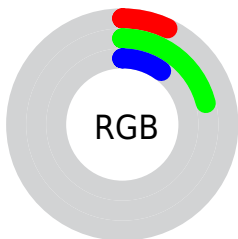
Format	Color
R_{YB}	19, 48, 53
Decimal	1258777
CIE _{Lab}	19.00, -19.81, 13.99
CIE _{LCh}	19, 24.252, 144.774
Yxy	2.7468, 0.2944, 0.4724
Android (android.graphics.Color)	4279448857 (0xFF133519)
YUV	39.6420, -7.2185, -18.1030
Hunter-Lab	16.5735, -10.5717, 6.7513

Details

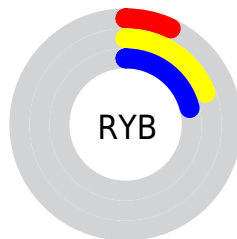
The CIELCh color **19, 24.252, 144.774** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 24.080, 333.236**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 24.029, 145.273**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **19, 27.524, 143.617**, and if you desaturate by 10%, it is **19, 20.741, 145.821**.

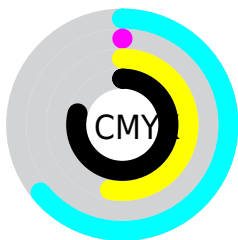
Distribution



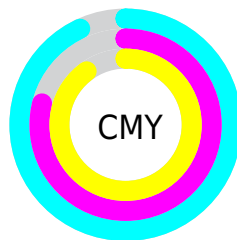
- Red (7%)
- Green (21%)
- Blue (10%)



- Red (7%)
- Yellow (19%)
- Blue (21%)



- Cyan (64%)
- Magenta (0%)
- Yellow (53%)
- Black (79%)




- Cyan (93%)
- Magenta (79%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 24.252, 144.774 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, 24.252, 144.774 by changing the saturation by 10% instead.

 19, 24.252,
144.774

 19, 24.252,
144.774

 100, 24.252,
144.774

 9, 24.252, 144.774


 39, 24.252,
144.774

 0, 24.252, 144.774

 49, 24.252,
144.774

 59, 24.252,
144.774


 69, 24.252,
144.774

 79, 24.252,
144.774


 89, 24.252,


144.774


 99, 24.252,
144.774


 19, 24.252,
144.774


 19, 24.252,
144.774

 19, 27.524,
143.617


 19, 20.741,
145.821

 19, 30.499,
142.399

 20, 17.054,
146.756

 18, 33.182,
141.761

 20, 13.251,
147.584

 18, 34.594,
141.693

 21, 9.383, 148.317

 21, 5.497, 148.967

 22, 1.628, 149.583

■ 23, 2.196, 329.954

■ 23, 5.953, 330.429

■ 24, 9.629, 330.828

Harmonies

Complementary

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



19, 24.252, 144.774



12, 24.080, 333.236

Rectangle

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



19, 24.252, 144.774



19, 24.252, 194.774



19, 24.252, 324.774



19, 24.252, 14.774

Sweetspot

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



19, 24.252, 144.774



28, 9.157, 148.604



21, 22.059, 112.935



13, 6.368, 148.543



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, 24.252, 144.774



25, 35.040, 142.790



19, 16.129, 167.647



9, 2.059, 149.335



32, 51.407, 139.351



76, 101.150, 137.935

Inverse Universe

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



12, 24.080, 333.236



15, 34.102, 334.231



11, 18.536, 1.117



8, 2.065, 330.109



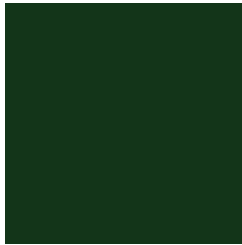
18, 47.260, 336.062



49, 88.950, 336.881

Previews

White Background



This preview shows how the CIELCh color 19, 24.252, 144.774 looks on a white background.

Color Contrast Check

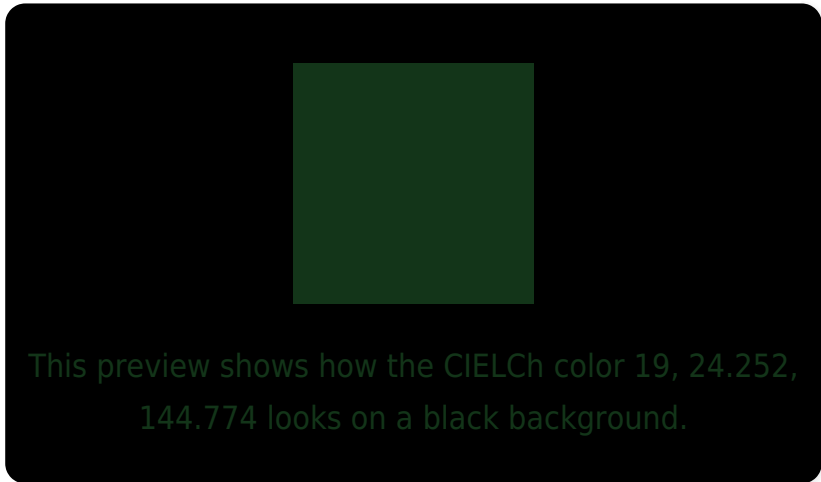
Large Text (above 18pt) WCAG AA ✓ Pass

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

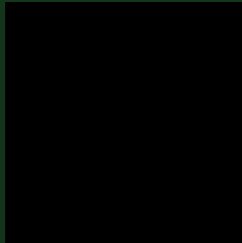
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 24.252, 144.774

Background



This preview shows how black text looks on a background with the CIELCh color 19, 24.252, 144.774.



This preview shows how white text looks on a background with the CIELCh color 19, 24.252, 144.774.

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](#).

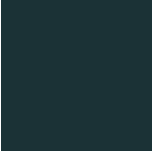
Dichromacy



Original Color
19, 24.252, 144.774

Protanopia
19, 15.684, 96.323

Deuteranopia
19, 13.379, 78.266



Tritanopia
19, 9.419, 214.830

Trichromacy



Original Color
19, 24.252, 144.774

Protanomaly
19, 17.431, 123.371

Deuteranomaly
18, 14.269, 115.081

Tritanomaly
19, 12.848, 171.563

Monochromacy



Original Color
19, 24.252, 144.774

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 9.372, 149.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 24.252, 144.774 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(19, 53, 25)` looks like.

```
.text, #text, p{  
    color:rgb(19, 53, 25)  
}
```

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(19, 53, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 53, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 24.252, 144.774 is called "border". The border property can be set on classes, ids or directly on the HTML element.

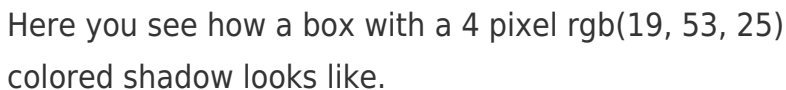
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(19, 53, 25) }
```

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

```
.border{ border-color:rgb(19, 53, 25) }
```

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



Here you see how a box with a 4 pixel `rgb(19, 53, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 53, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 53, 25);  
box-shadow:4px 4px 4px 4px rgb(19, 53, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 24.252, 144.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 53, 25) }
```

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

```
.background{ background-color: rgb(19, 53,  
25) }
```

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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