

Converting Colors

CIELCh(19, 13.254, 200.399)

Have a look what the booklet for
CIELCh(19, 13.254, 200.399)
contains.

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Color

CIELCh(19, 13.272, 199.918)

Conversions

Conversions Part 1

Format	Color
Hex	0E3334
RGB	14, 51, 52
RGB Percent	5%, 20%, 20%
CMY	0.9434, 0.7986, 0.7947
CMYK	0.72, 0.02, 0.00, 0.79
HSL	182°, 57%, 13%
HSV	182°, 72%, 21%
XYZ	2.0151, 2.7468, 3.7147
YIQ	40.0510, -22.3730, -7.5330

Conversions

Conversions Part 2

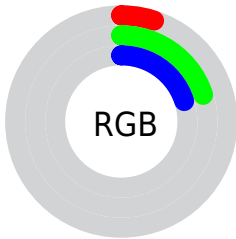
Format	Color
RYB	14, 33, 52
Decimal	930612
CIELab	19.00, -12.48, -4.52
CIELCh	19, 13.272, 199.918
Yxy	2.7468, 0.2377, 0.3240
Android (android.graphics.Color)	4279120692 (0xFF0E3334)
YUV	40.0510, 5.8909, -22.8467
Hunter-Lab	16.5735, -7.3012, -1.6876

Details

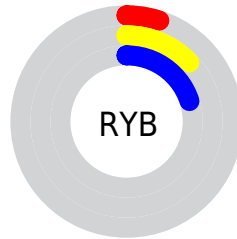
The CIELCh color **19, 13.272, 199.918** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 20.702, 26.535**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 13.468, 197.744**, and **0, 2.420, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **19, 14.245, 199.927**, and if you desaturate by 10%, it is **19, 12.053, 199.980**.

Distribution



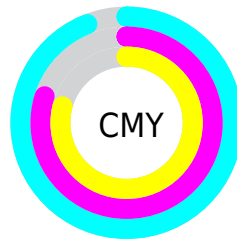
- Red (5%)
- Green (20%)
- Blue (20%)



- Red (5%)
- Yellow (13%)
- Blue (20%)



- Cyan (72%)
- Magenta (2%)
- Yellow (0%)
- Black (79%)



- Cyan (94%)
- Magenta (80%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.272, 199.918 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, 13.272, 199.918 by changing the saturation by 10% instead.

■ 19, 13.272,
199.918

■ 19, 13.272,
199.918

■ 100, 13.272,
199.918

■ 9, 13.272, 199.918

■ 39, 13.272,
199.918

■ 0, 13.272, 199.918

■ 49, 13.272,
199.918


■ 59, 13.272,
199.918


■ 69, 13.272,
199.918


■ 79, 13.272,
199.918


■ 89, 13.272,


199.918


 99, 13.272,
199.918


 19, 13.272,
199.918


 19, 13.272,
199.918

 19, 14.245,
199.927

 19, 12.053,
199.980

 19, 15.150,
199.942

 20, 10.597,
200.114

 18, 15.856,
199.933

 20, 8.924, 200.312

 20, 7.059, 200.569

 21, 5.027, 200.881

 21, 2.856, 201.257

■ 22, 0.572, 201.938

■ 22, 1.801, 21.845

■ 23, 4.241, 22.345

Harmonies

Complementary

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



19, 13.272, 199.918



10, 20.702, 26.535

Rectangle

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



19, 13.272, 199.918



19, 13.272, 249.918



19, 13.272, 19.918



19, 13.272, 69.918

Sweetspot

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



19, 13.272, 199.916



28, 6.187, 200.857



18, 29.644, 139.566



13, 4.193, 200.840



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, 13.272, 199.916



25, 17.812, 200.007



12, 15.098, 270.108



9, 1.251, 201.452



33, 22.517, 200.286



77, 42.720, 200.639

Inverse Universe

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



11, 29.111, 328.290



15, 40.649, 328.846



15, 17.231, 68.803



8, 2.293, 325.499



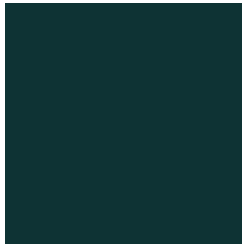
19, 52.709, 329.227



51, 100.119, 329.316

Previews

White Background



This preview shows how the CIELCh color 19, 13.272, 199.918 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



This preview shows how the CIELCh color 19, 13.272, 199.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

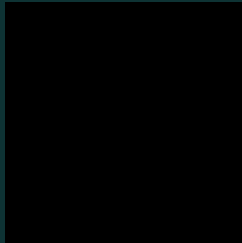
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 13.272, 199.918

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.272, 199.918.



This preview shows how white text looks on a background with the CIELCh color 19, 13.272, 199.918.

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, 13.272, 199.918

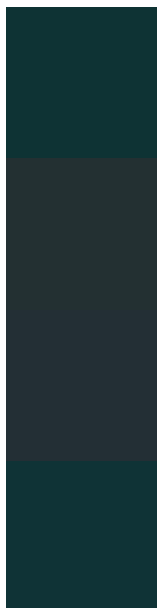
Protanopia
19, 2.059, 290.693

Deuteranopia
19, 6.261, 299.845



Tritanopia
19, 12.648, 209.821

Trichromacy



Original Color
19, 13.272, 199.918

Protanomaly
19, 5.755, 212.243

Deuteranomaly
19, 6.414, 238.922

Tritanomaly
19, 12.891, 206.353

Monochromacy



Original Color
19, 13.272, 199.918

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 5.773, 198.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.272, 199.918 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(14, 51, 52)` looks like.

```
.text, #text, p{  
    color:rgb(14, 51, 52)  
}
```

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(14, 51, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 51, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.272, 199.918 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(14, 51, 52) }
```

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

```
.border{ border-color:rgb(14, 51, 52) }
```

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

Here you see how a box with a 4 pixel rgb(14, 51, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 51, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 51, 52);  
box-shadow:4px 4px 4px 4px rgb(14, 51, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.272, 199.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 51, 52) }
```

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

```
.background{ background-color: rgb(14, 51,  
52) }
```

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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