

Converting Colors

CIELCh(19, 12.828, 199.146)

Have a look what the booklet for
CIELCh(19, 12.828, 199.146)
contains.

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Color

CIELCh(19, 12.820, 200.104)

Conversions

Conversions Part 1

Format	Color
Hex	103334
RGB	16, 51, 52
RGB Percent	6%, 20%, 20%
CMY	0.9364, 0.7992, 0.7953
CMYK	0.69, 0.02, 0.00, 0.80
HSL	182°, 53%, 13%
HSV	182°, 69%, 20%
XYZ	2.0343, 2.7468, 3.6950
YIQ	40.6490, -21.1810, -7.1090

Conversions

Conversions Part 2

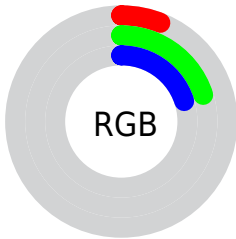
Format	Color
R_{YB}	16, 34, 52
Decimal	1061684
CIE _{Lab}	19.00, -12.04, -4.41
CIE _{LCh}	19, 12.820, 200.104
Yxy	2.7468, 0.2400, 0.3241
Android (android.graphics.Color)	4279251764 (0xFF103334)
YUV	40.6490, 5.5960, -21.6172
Hunter-Lab	16.5735, -7.0939, -1.6171

Details

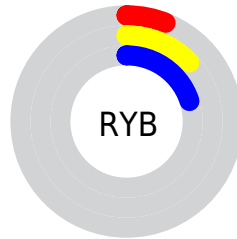
The CIELCh color **19, 12.820, 200.104** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 19.649, 26.812**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 13.146, 197.784**, and **0, 2.420, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **19, 13.875, 200.097**, and if you desaturate by 10%, it is **19, 11.520, 200.183**.

Distribution



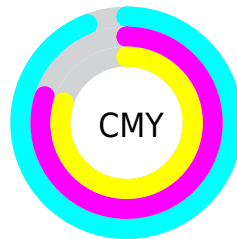
- Red (6%)
- Green (20%)
- Blue (20%)



- Red (6%)
- Yellow (13%)
- Blue (20%)



- Cyan (69%)
- Magenta (2%)
- Yellow (0%)
- Black (80%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 12.820, 200.104 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, 12.820, 200.104 by changing the saturation by 10% instead.

■ 19, 12.820,
200.104

■ 19, 12.820,
200.104

■ 100, 12.820,
200.104

■ 9, 12.820, 200.104

■ 39, 12.820,
200.104

■ 0, 12.820, 200.104

■ 49, 12.820,
200.104


■ 59, 12.820,
200.104


■ 69, 12.820,
200.104


■ 79, 12.820,
200.104


■ 89, 12.820,


200.104


 99, 12.820,
200.104

 19, 12.820,
200.104


 19, 12.820,
200.104

 19, 13.875,
200.097


 19, 11.520,
200.183

 19, 14.772,
200.133

 20, 9.991, 200.332

 18, 15.697,
200.136

 20, 8.254, 200.545

 18, 15.799,
200.135

 20, 6.334, 200.816

 21, 4.258, 201.143

 21, 2.053, 201.548

■ 22, 0.256, 20.979

■ 22, 2.645, 22.157

■ 23, 5.094, 22.630

Harmonies

Complementary

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



19, 12.820, 200.104



10, 19.649, 26.812

Rectangle

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



19, 12.820, 200.104



19, 12.820, 250.104



19, 12.820, 20.104



19, 12.820, 70.104

Sweetspot

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



19, 12.820, 200.102



28, 5.914, 201.031



18, 28.386, 139.866



13, 4.036, 201.009



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, 12.820, 200.102



25, 17.445, 200.156



13, 14.353, 269.125



9, 1.250, 201.584



33, 22.476, 200.511



77, 42.637, 200.885

Inverse Universe

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



12, 27.887, 328.212



15, 39.545, 328.789



15, 16.456, 69.473



8, 2.291, 325.539



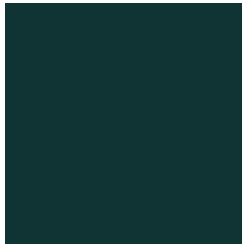
19, 52.653, 329.284



51, 100.004, 329.378

Previews

White Background



This preview shows how the CIE LCh color 19, 12.820, 200.104 looks on a white background.

Color Contrast Check

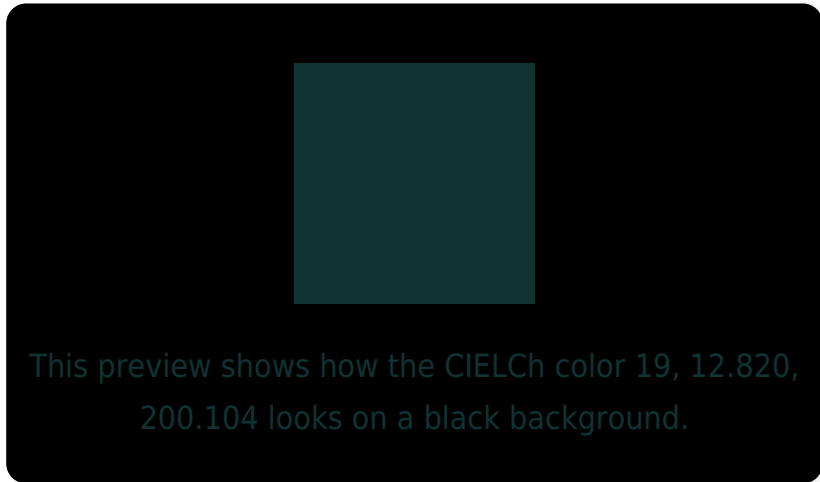
Large Text (above 18pt) WCAG AA ✓ Pass

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

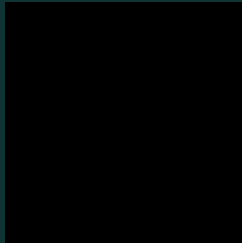
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 12.820, 200.104

Background



This preview shows how black text looks on a background with the CIELCh color 19, 12.820, 200.104.



This preview shows how white text looks on a background with the CIELCh color 19, 12.820, 200.104.

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, 12.820, 200.104

Protanopia
19, 2.059, 290.693

Deuteranopia
19, 6.261, 299.845



Tritanopia
19, 12.188, 210.384

Trichromacy



Original Color
19, 12.820, 200.104

Protanomaly
19, 5.755, 212.243

Deuteranomaly
19, 6.120, 241.333

Tritanomaly
19, 12.437, 206.772

Monochromacy



Original Color
19, 12.820, 200.104

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 5.762, 198.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 12.820, 200.104 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(16, 51, 52)` looks like.

```
.text, #text, p{  
    color:rgb(16, 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(16, 51, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 51, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 12.820, 200.104 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(16, 51, 52) }
```

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

```
.border{ border-color:rgb(16, 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(16, 51, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 51, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 51, 52);  
box-shadow:4px 4px 4px 4px rgb(16, 51, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 12.820, 200.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 51, 52) }
```

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

```
.background{ background-color: rgb(16, 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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