

Converting Colors

CIELCh(19, 11.876, 212.572)

Have a look what the booklet for
CIELCh(19, 11.876, 212.572)
contains.

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Color

CIELCh(19, 11.945, 210.695)

Conversions

Conversions Part 1

Format	Color
Hex	133337
RGB	19, 51, 55
RGB Percent	7%, 20%, 22%
CMY	0.9269, 0.8013, 0.7856
CMYK	0.66, 0.07, 0.00, 0.79
HSL	187°, 49%, 14%
HSV	187°, 66%, 21%
XYZ	2.1130, 2.7468, 3.9921
YIQ	41.8880, -20.3560, -5.5400

Conversions

Conversions Part 2

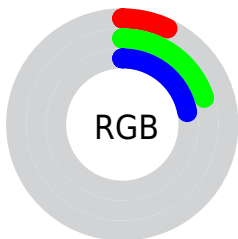
Format	Color
RYB	19, 36, 55
Decimal	1258295
CIELab	19.00, -10.27, -6.10
CIELCh	19, 11.945, 210.695
Yxy	2.7468, 0.2387, 0.3103
Android (android.graphics.Color)	4279448375 (0xFF133337)
YUV	41.8880, 6.4642, -20.0728
Hunter-Lab	16.5735, -6.2464, -2.6800

Details

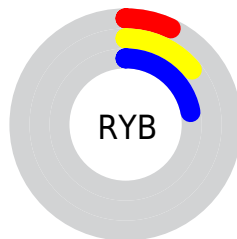
The CIELCh color **19, 11.945, 210.695** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 18.500, 32.939**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 11.839, 213.157**, and **0, 4.446, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **19, 13.008, 211.353**, and if you desaturate by 10%, it is **19, 10.642, 210.214**.

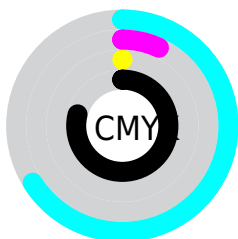
Distribution



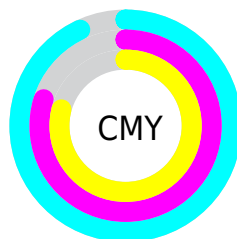
- Red (7%)
- Green (20%)
- Blue (22%)



- Red (7%)
- Yellow (14%)
- Blue (22%)



- Cyan (66%)
- Magenta (7%)
- Yellow (0%)
- Black (79%)



- Cyan (93%)
- Magenta (80%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 11.945, 210.695 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, 11.945, 210.695 by changing the saturation by 10% instead.

■ 19, 11.945,
210.695

■ 19, 11.945,
210.695

■ 100, 11.945,
210.695

■ 9, 11.945, 210.695

■ 39, 11.945,
210.695

■ 0, 11.945, 210.695

■ 49, 11.945,
210.695


■ 59, 11.945,
210.695


■ 69, 11.945,
210.695


■ 79, 11.945,
210.695


■ 89, 11.945,


210.695


 99, 11.945,
210.695

 19, 11.945,
210.695

 19, 11.945,
210.695


 19, 13.008,
211.353

 19, 10.642,
210.214


 18, 13.846,
212.185

 20, 9.119, 209.889

 21, 7.399, 209.695

 18, 14.679,
212.929

 21, 5.508, 209.615

 18, 15.034,
213.192

 22, 3.472, 209.637

 22, 1.318, 209.815

■ 23, 0.933, 29.536

■ 24, 3.258, 29.886

■ 25, 5.640, 30.131

Harmonies

Complementary

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



19, 11.945, 210.695



12, 18.500, 32.939

Rectangle

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



19, 11.945, 210.695



19, 11.945, 260.695



19, 11.945, 30.695



19, 11.945, 80.695

Sweetspot

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



19, 11.945, 210.693



29, 5.390, 209.613



20, 26.878, 142.282



13, 3.598, 209.612



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, 11.945, 210.693



25, 16.200, 211.942



13, 16.067, 276.568



10, 1.257, 209.741



31, 21.104, 214.909



72, 39.494, 216.673

Inverse Universe

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



13, 26.393, 330.887



16, 37.285, 331.687



17, 17.030, 77.832



9, 2.350, 327.985



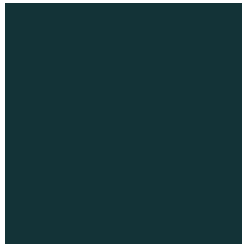
20, 50.513, 332.837



51, 94.442, 333.270

Previews

White Background



This preview shows how the CIELCh color 19, 11.945, 210.695 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 CIE LCh color 19, 11.945, 210.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

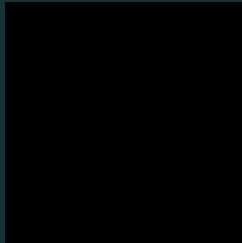
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

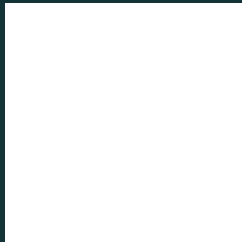
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 11.945, 210.695

Background



This preview shows how black text looks on a background with the CIELCh color 19, 11.945, 210.695.

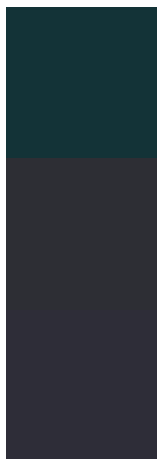


This preview shows how white text looks on a background with the CIELCh color 19, 11.945, 210.695.

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, 11.945, 210.695

Protanopia
19, 4.130, 284.954

Deuteranopia
19, 7.577, 295.305



Tritanopia
19, 11.945, 210.695

Trichromacy



Original Color
19, 11.945, 210.695

Protanomaly
19, 6.369, 231.292

Deuteranomaly
19, 7.532, 254.412

Tritanomaly
19, 11.945, 210.695

Monochromacy



Original Color
19, 11.945, 210.695

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 5.003, 214.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 11.945, 210.695 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, 51, 55)` looks like.

```
.text, #text, p{  
    color:rgb(19, 51, 55)  
}
```

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, 51, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 51, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 11.945, 210.695 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, 51, 55) }
```

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

```
.border{ border-color:rgb(19, 51, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 51, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 51, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 51, 55);  
box-shadow:4px 4px 4px 4px rgb(19, 51, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 11.945, 210.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 51, 55) }
```

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

```
.background{ background-color: rgb(19, 51,  
55) }
```

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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