

Converting Colors

CIELCh(20, 33.868, 183.908)

Have a look what the booklet for
CIELCh(20, 33.868, 183.908)
contains.

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Color

CIELCh(21, 19.795, 180.032)

Conversions

Conversions Part 1

Format	Color
Hex	003A32
RGB	0, 58, 50
RGB Percent	0%, 23%, 20%
CMY	1.0000, 0.7727, 0.8039
CMYK	1.00, 0.00, 0.14, 0.77
HSL	172°, 100%, 11%
HSV	172°, 100%, 23%
XYZ	2.0725, 3.2451, 3.5352
YIQ	39.7460, -32.0000, -14.7840

Conversions

Conversions Part 2

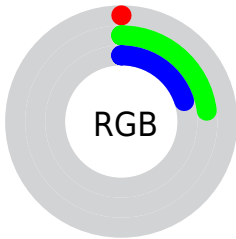
Format	Color
RYB	0, 31, 58
Decimal	14898
CIELab	21.00, -19.79, -0.01
CIELCh	21, 19.795, 180.032
Yxy	3.2451, 0.2341, 0.3666
Android (android.graphics.Color)	4278204978 (0xFF003A32)
YUV	39.7460, 5.0552, -34.8572
Hunter-Lab	18.0142, -10.9884, 0.9745

Details

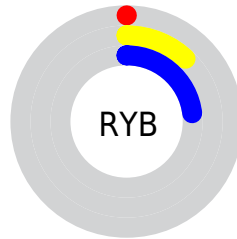
The CIELCh color **21, 19.795, 180.032** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 29.975, 19.099**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 19.836, 179.139**, and **1, 2.540, 159.999** is the 20% darker color. If you saturate the color by 10%, you get **21, 19.594, 179.902**, and if you desaturate by 10%, it is **21, 18.336, 180.756**.

Distribution



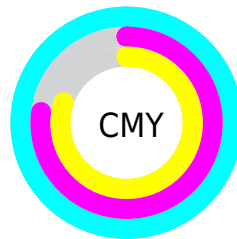
- Red (0%)
- Green (23%)
- Blue (20%)



- Red (0%)
- Yellow (12%)
- Blue (23%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (77%)



- Cyan (100%)
- Magenta (77%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 21, 19.795, 180.032 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 21, 19.795, 180.032 by changing the saturation by 10% instead.

■ 21, 19.795,
180.032

■ 21, 19.795,
180.032

■ 100, 19.795,
180.032

■ 11, 19.795,
180.032

■ 41, 19.795,
180.032

■ 1, 19.795, 180.032

■ 51, 19.795,
180.032

■ 0, 19.795, 180.032

■ 61, 19.795,
180.032

■ 71, 19.795,
180.032

■ 81, 19.795,
180.032

■ 91, 19.795,

180.032

■ 21, 19.795,
180.032

■ 21, 19.795,
180.032

■ 21, 19.594,
179.902

■ 21, 18.336,
180.756

■ 21, 17.114,
181.727

■ 22, 15.704,
182.681

■ 22, 14.032,
183.574

■ 22, 12.119,
184.417

■ 22, 9.992, 185.222

■ 23, 7.684, 185.998

■ 23, 5.228, 186.756

■ 24, 2.656, 187.521

Harmonies

Complementary

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



21, 19.795, 180.032



8, 29.975, 19.099

Rectangle

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



21, 19.795, 180.032



21, 19.795, 230.032



21, 19.795, 0.032



21, 19.795, 50.032

Sweetspot

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



21, 19.594, 179.902



31, 9.654, 185.884



20, 39.489, 135.217



14, 6.446, 185.789



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



21, 19.594, 179.902



28, 23.700, 179.184



14, 17.143, 256.712



10, 1.434, 187.660



34, 26.960, 178.785



79, 51.402, 177.516

Inverse Universe

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



8, 29.975, 19.099



13, 37.594, 25.599



12, 25.160, 46.780



9, 1.483, 8.667



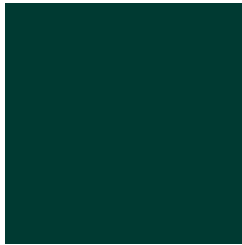
17, 43.725, 28.722



46, 86.986, 34.327

Previews

White Background



This preview shows how the CIELCh color 21, 19.795, 180.032 looks on a white background.

Color Contrast Check

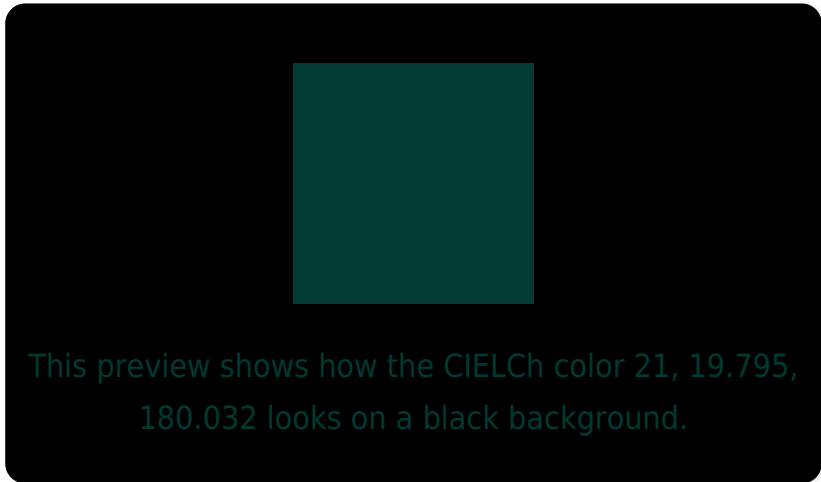
Large Text (above 18pt) WCAG AA ✓ Pass

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

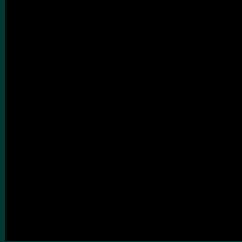
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 19.795, 180.032

Background



This preview shows how black text looks on a background with the CIELCh color 21, 19.795, 180.032.



This preview shows how white text looks on a background with the CIELCh color 21, 19.795, 180.032.

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
21, 19.616, 179.832

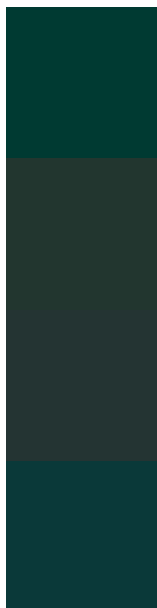
Protanopia
21, 3.490, 93.377

Deuteranopia
21, 3.857, 348.597



Tritanopia
21, 13.902, 211.336

Trichromacy



Original Color
21, 19.616, 179.832

Protanomaly
21, 10.102, 169.476

Deuteranomaly
20, 6.984, 192.463

Tritanomaly
21, 15.627, 196.660

Monochromacy



Original Color
21, 19.616, 179.832

Achromatopsia
16, 0.003, 296.813

Achromatomaly
18, 9.661, 184.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 19.795, 180.032 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(0, 58, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 58, 50)  
}
```

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(0, 58, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 58, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 19.795, 180.032 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(0, 58, 50) }
```

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

```
.border{ border-color:rgb(0, 58, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 58, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 58, 50); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 58, 50); box-shadow:4px  
4px 4px 4px rgb(0, 58, 50) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 19.795, 180.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 58, 50) }
```

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

```
.background{ background-color: rgb(0, 58,  
50) }
```

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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