

Converting Colors

CIELCh(19, 29.076, 196.944)

Have a look what the booklet for
CIELCh(19, 29.076, 196.944)
contains.

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Color

CIELCh(21, 16.756, 201.193)

Conversions

Conversions Part 1

Format	Color
Hex	01393B
RGB	1, 57, 59
RGB Percent	0%, 22%, 23%
CMY	0.9955, 0.7766, 0.7688
CMYK	0.98, 0.03, 0.00, 0.77
HSL	182°, 96%, 12%
HSV	182°, 98%, 23%
XYZ	2.2639, 3.2451, 4.6385
YIQ	40.4840, -34.0180, -11.2500

Conversions

Conversions Part 2

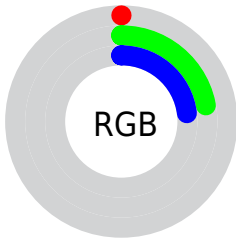
Format	Color
R_YB	1, 29, 59
Decimal	80187
CIE Lab	21.00, -15.62, -6.06
CIE LCh	21, 16.756, 201.193
Yxy	3.2451, 0.2231, 0.3198
Android (android.graphics.Color)	4278270267 (0xFF01393B)
YUV	40.4840, 9.1284, -34.6275
Hunter-Lab	18.0142, -9.0927, -2.6568

Details

The CIELCh color **21, 16.756, 201.193** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 29.891, 27.166**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 16.600, 201.708**, and **2, 4.743, 262.296** is the 20% darker color. If you saturate the color by 10%, you get **21, 16.931, 201.208**, and if you desaturate by 10%, it is **21, 15.878, 201.085**.

Distribution



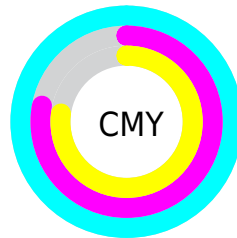
- Red (0%)
- Green (22%)
- Blue (23%)



- Red (0%)
- Yellow (11%)
- Blue (23%)



- Cyan (98%)
- Magenta (3%)
- Yellow (0%)
- Black (77%)





- Cyan (100%)
- Magenta (78%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 16.756, 201.193 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, 16.756, 201.193 by changing the saturation by 10% instead.

 21, 16.756,
201.193


 21, 16.756,
201.193

 100, 16.756,
201.193


 11, 16.756,
201.193


 41, 16.756,
201.193


 1, 16.756, 201.193


 51, 16.756,
201.193

 0, 16.756, 201.193

 61, 16.756,
201.193

 71, 16.756,
201.193

 81, 16.756,
201.193

 91, 16.756,

201.193

■ 21, 16.756,
201.193

■ 21, 16.756,
201.193

■ 21, 16.931,
201.208

■ 21, 15.878,
201.085

■ 21, 14.992,
200.955

■ 22, 13.861,
200.901

■ 22, 12.451,
200.934

■ 22, 10.781,
201.047

■ 23, 8.875, 201.231

■ 23, 6.762, 201.481

■ 24, 4.474, 201.793

■ 24, 2.041, 202.195

Harmonies

Complementary

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



21, 16.756, 201.193



9, 29.891, 27.166

Rectangle

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



21, 16.756, 201.193



21, 16.756, 251.193



21, 16.756, 21.193



21, 16.756, 71.193

Sweetspot

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



21, 16.756, 201.192



31, 8.630, 201.418



21, 40.014, 138.016



14, 5.787, 201.382



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, 16.756, 201.192



28, 20.080, 201.442



10, 23.132, 279.800



11, 1.452, 202.173



35, 23.161, 201.602



78, 43.004, 202.044

Inverse Universe

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



11, 39.162, 329.400



16, 47.179, 329.518



15, 24.464, 65.282



10, 2.671, 325.751



21, 54.445, 329.558



52, 101.222, 329.669

Previews

White Background



This preview shows how the CIELCh color 21, 16.756, 201.193 looks on a white background.

Color Contrast Check

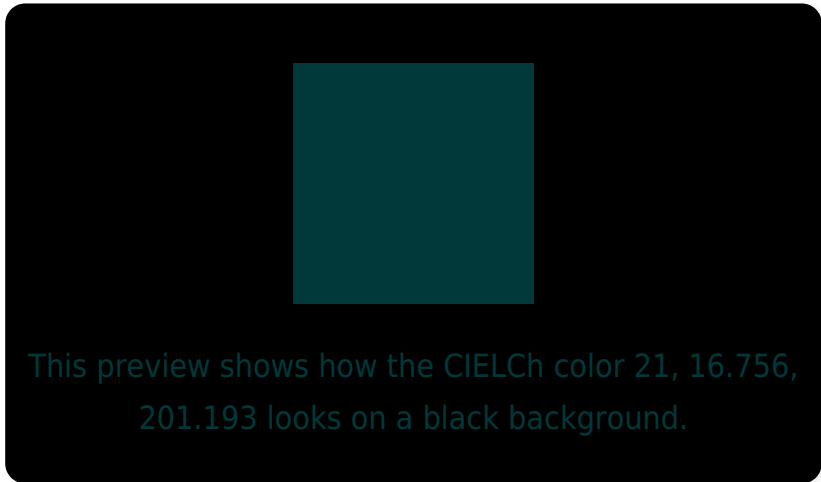
Large Text (above 18pt) WCAG AA ✓ Pass

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

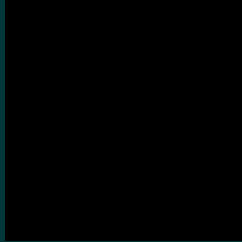
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

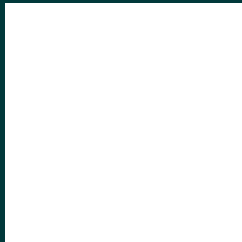
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 21, 16.756, 201.193

Background



This preview shows how black text looks on a background with the CIELCh color 21, 16.756, 201.193.



This preview shows how white text looks on a background with the CIELCh color 21, 16.756, 201.193.

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, 16.788, 201.195

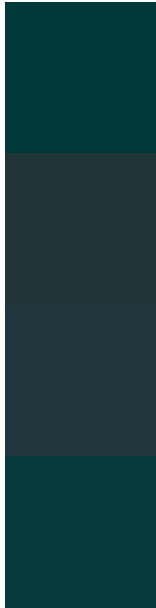
Protanopia
21, 2.700, 290.806

Deuteranopia
21, 7.457, 295.189



Tritanopia
21, 15.500, 206.962

Trichromacy



Original Color
21, 16.788, 201.195

Protanomaly
21, 8.349, 212.175

Deuteranomaly
21, 9.044, 230.030

Tritanomaly
21, 15.880, 204.124

Monochromacy



Original Color
21, 16.788, 201.195

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 8.353, 202.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 16.756, 201.193 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(1, 57, 59)` looks like.

```
.text, #text, p{  
    color:rgb(1, 57, 59)  
}
```

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(1, 57, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 57, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 16.756, 201.193 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(1, 57, 59) }
```

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

```
.border{ border-color:rgb(1, 57, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 57, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 57, 59); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 57, 59); box-shadow:4px  
4px 4px 4px rgb(1, 57, 59) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 16.756, 201.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 57, 59) }
```

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

```
.background{ background-color: rgb(1, 57,  
59) }
```

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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