

Converting Colors

CIELCh(21, 15.208, 181.108)

Have a look what the booklet for
CIELCh(21, 15.208, 181.108)
contains.

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Color

CIELCh(21, 15.448, 181.308)

Conversions

Conversions Part 1

Format	Color
Hex	123933
RGB	18, 57, 51
RGB Percent	7%, 22%, 20%
CMY	0.9312, 0.7781, 0.8016
CMYK	0.69, 0.00, 0.11, 0.78
HSL	171°, 53%, 15%
HSV	171°, 69%, 22%
XYZ	2.2723, 3.2451, 3.5923
YIQ	44.6550, -21.3180, -10.1340

Conversions

Conversions Part 2

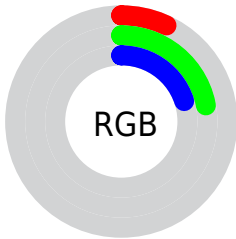
Format	Color
R_{YB}	18, 39, 57
Decimal	1194291
CIE _{Lab}	21.00, -15.44, -0.35
CIE _{LCh}	21, 15.448, 181.308
Yxy	3.2451, 0.2494, 0.3562
Android (android.graphics.Color)	4279384371 (0xFF123933)
YUV	44.6550, 3.1281, -23.3764
Hunter-Lab	18.0142, -9.0090, 0.7866

Details

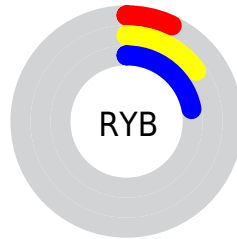
The CIELCh color **21, 15.448, 181.308** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 20.852, 16.024**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 15.237, 181.292**, and **2, 2.541, 170.986** is the 20% darker color. If you saturate the color by 10%, you get **21, 16.905, 180.306**, and if you desaturate by 10%, it is **21, 13.740, 182.239**.

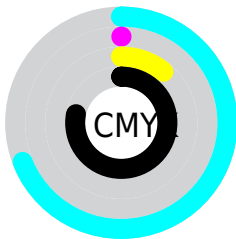
Distribution



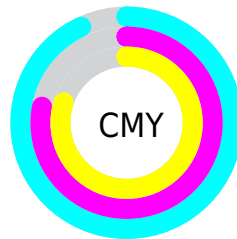
- Red (7%)
- Green (22%)
- Blue (20%)



- Red (7%)
- Yellow (15%)
- Blue (22%)



- Cyan (69%)
- Magenta (0%)
- Yellow (11%)
- Black (78%)





- Cyan (93%)
- Magenta (78%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 15.448, 181.308 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, 15.448, 181.308 by changing the saturation by 10% instead.

 21, 15.448,
181.308


 21, 15.448,
181.308

 100, 15.448,
181.308


 11, 15.448,
181.308


 41, 15.448,
181.308


 1, 15.448, 181.308


 51, 15.448,
181.308

 0, 15.448, 181.308

 61, 15.448,
181.308

 71, 15.448,
181.308

 81, 15.448,
181.308

 91, 15.448,

181.308

■ 21, 15.448,
181.308

■ 21, 15.448,
181.308

■ 21, 16.905,
180.306

■ 21, 13.740,
182.239

■ 21, 18.170,
179.278

■ 22, 11.802,
183.116

■ 20, 19.469,
178.379

■ 22, 9.664, 183.949

■ 22, 7.356, 184.749

■ 20, 19.600,
178.297

■ 23, 4.911, 185.527

■ 23, 2.362, 186.313

■ 24, 0.264, 6.125

■ 24, 2.941, 7.567

■ 25, 5.647, 8.286

Harmonies

Complementary

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



21, 15.448, 181.308



12, 20.852, 16.024

Rectangle

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



21, 15.448, 181.308



21, 15.448, 231.308



21, 15.448, 1.308



21, 15.448, 51.308

Sweetspot

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



21, 15.448, 181.307



30, 6.750, 185.294



21, 29.344, 136.072



14, 4.606, 185.232



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, 15.448, 181.307



28, 21.327, 179.442



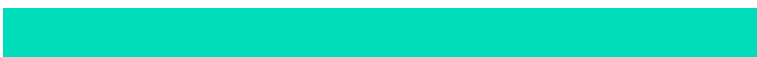
16, 12.477, 245.415



10, 1.442, 186.371



34, 27.450, 177.016



79, 52.432, 175.649

Inverse Universe

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



12, 20.852, 16.024



14, 31.157, 21.215



15, 17.907, 51.622



9, 1.490, 7.406



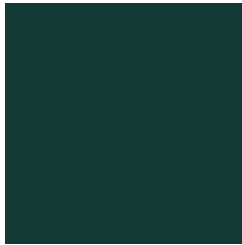
17, 43.438, 27.883



46, 86.071, 33.339

Previews

White Background



This preview shows how the CIELCh color 21, 15.448, 181.308 looks on a white background.

Color Contrast Check

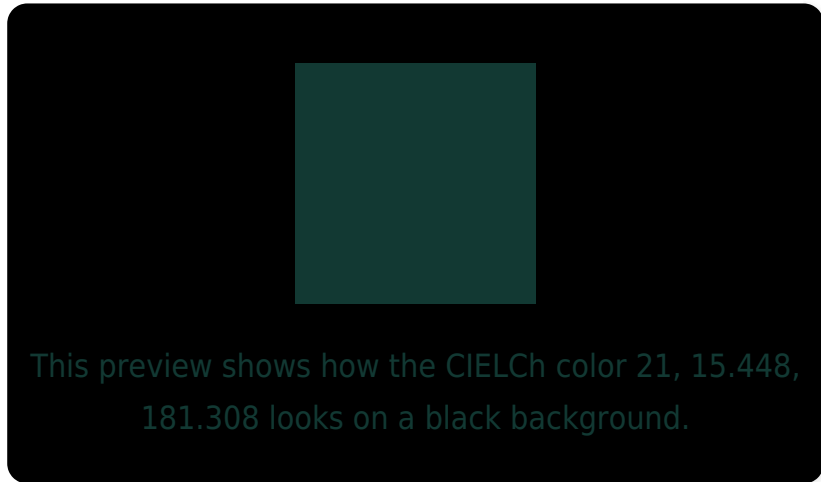
Large Text (above 18pt) WCAG AA ✓ Pass

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

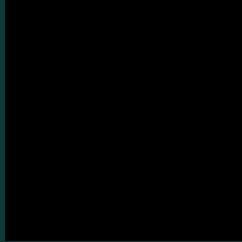
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

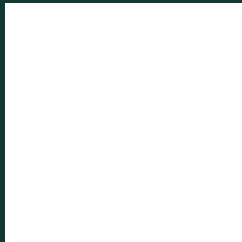
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 21, 15.448, 181.308

Background



This preview shows how black text looks on a background with the CIELCh color 21, 15.448, 181.308.



This preview shows how white text looks on a background with the CIELCh color 21, 15.448, 181.308.

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, 15.448, 181.308

Protanopia

21, 2.229, 84.351

Deuteranopia

21, 3.466, 344.377



Tritanopia
21, 12.317, 213.484

Trichromacy



Original Color
21, 15.448, 181.308

Protanomaly
20, 6.504, 173.445

Deuteranomaly
21, 4.956, 190.590

Tritanomaly
21, 13.207, 200.034

Monochromacy



Original Color
21, 15.448, 181.308

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 7.037, 180.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 15.448, 181.308 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(18, 57, 51)` looks like.

```
.text, #text, p{  
    color:rgb(18, 57, 51)  
}
```

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(18, 57, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 57, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 15.448, 181.308 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(18, 57, 51) }
```

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

```
.border{ border-color:rgb(18, 57, 51) }
```

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

Here you see how a box with a 4 pixel rgb(18, 57, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 57, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 57, 51);  
box-shadow:4px 4px 4px 4px rgb(18, 57, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 15.448, 181.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 57, 51) }
```

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

```
.background{ background-color: rgb(18, 57,  
51) }
```

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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