

Converting Colors

CIELCh(21, 39.165, 133.689)

Have a look what the booklet for
CIELCh(21, 39.165, 133.689)
contains.

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Color

CIELCh(21, 38.858, 133.648)

Conversions

Conversions Part 1

Format	Color
Hex	0F3B01
RGB	15, 59, 1
RGB Percent	6%, 23%, 0%
CMY	0.9407, 0.7682, 0.9955
CMYK	0.74, 0.00, 0.98, 0.77
HSL	106°, 96%, 12%
HSV	106°, 98%, 23%
XYZ	1.7753, 3.2451, 0.5656
YIQ	39.2320, -7.6060, -27.3660

Conversions

Conversions Part 2

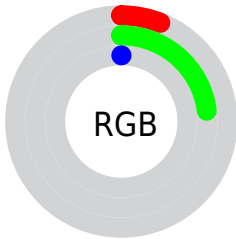
Format	Color
R_YB	1, 59, 45
Decimal	998145
CIE Lab	21.00, -26.82, 28.12
CIE LCh	21, 38.858, 133.648
Yxy	3.2451, 0.3178, 0.5809
Android (android.graphics.Color)	4279188225 (0xFF0F3B01)
YUV	39.2320, -18.8484, -21.2515
Hunter-Lab	18.0142, -13.9339, 10.7485

Details

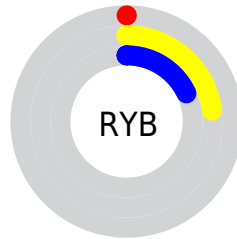
The CIELCh color **21, 38.858, 133.648** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 40.837, 320.306**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 38.915, 133.421**, and **1, 2.954, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 39.399, 133.593**, and if you desaturate by 10%, it is **21, 36.012, 133.825**.

Distribution



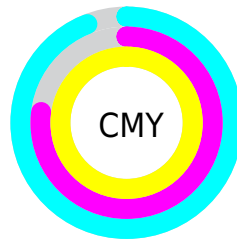
- Red (6%)
- Green (23%)
- Blue (0%)



- Red (0%)
- Yellow (23%)
- Blue (18%)



- Cyan (74%)
- Magenta (0%)
- Yellow (98%)
- Black (77%)




- Cyan (94%)
- Magenta (77%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 38.858, 133.648 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, 38.858, 133.648 by changing the saturation by 10% instead.

 21, 38.858,
133.648


 21, 38.858,
133.648

 100, 38.858,
133.648


 11, 38.858,
133.648

 41, 38.858,
133.648


 1, 38.858, 133.648

 51, 38.858,
133.648

 0, 38.858, 133.648

 61, 38.858,
133.648

 71, 38.858,
133.648

 81, 38.858,
133.648

 91, 38.858,

133.648

■ 21, 38.858,
133.648

■ 21, 38.858,
133.648

■ 21, 39.399,
133.593

■ 21, 36.012,
133.825

■ 21, 33.006,
133.894

■ 22, 29.416,
134.310

■ 22, 25.466,
134.820

■ 22, 21.274,
135.357

■ 23, 16.930,
135.887

■ 23, 12.499,
136.389

■ 24, 8.033, 136.854

■ 24, 3.572, 137.285

Harmonies

Complementary

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



21, 38.858, 133.648



8, 40.837, 320.306

Rectangle

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



21, 38.858, 133.648



21, 38.858, 183.648



21, 38.858, 313.648



21, 38.858, 3.648

Sweetspot

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



21, 38.858, 133.649



31, 16.013, 136.279



19, 27.001, 86.203



14, 10.783, 136.212



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, 38.858, 133.649



28, 48.141, 132.990



21, 35.566, 142.861



11, 2.530, 137.267



34, 55.884, 133.344



78, 105.292, 134.240

Inverse Universe

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



8, 40.837, 320.306



12, 49.416, 320.035



10, 33.946, 339.101



10, 2.545, 317.856



16, 57.128, 319.807



44, 106.738, 319.191

Previews

White Background



This preview shows how the CIELCh color 21, 38.858, 133.648 looks on a white background.

Color Contrast Check

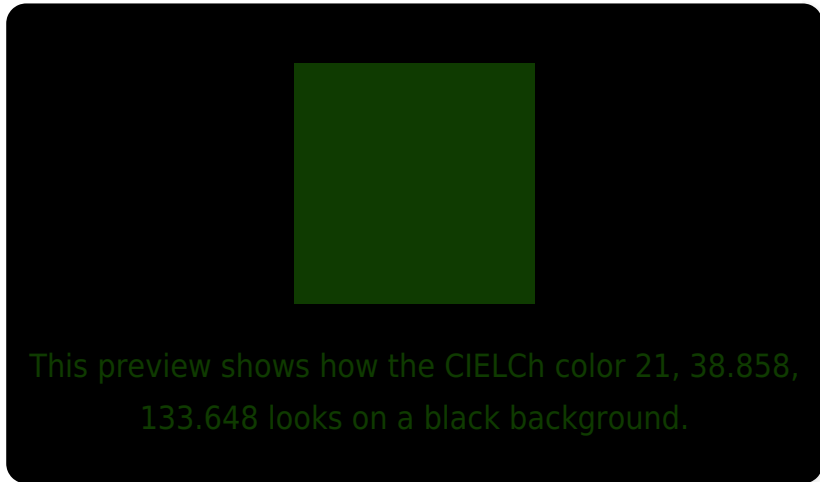
Large Text (above 18pt) WCAG AA ✓ Pass

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

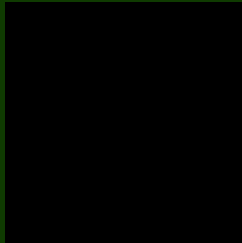
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 38.858, 133.648

Background



This preview shows how black text looks on a background with the CIELCh color 21, 38.858, 133.648.



This preview shows how white text looks on a background with the CIELCh color 21, 38.858, 133.648.

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

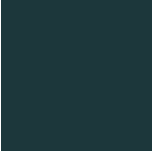
21, 38.858, 133.648

Protanopia

21, 29.608, 97.059

Deuteranopia

21, 24.374, 83.158



Tritanopia
21, 10.642, 212.472

Trichromacy



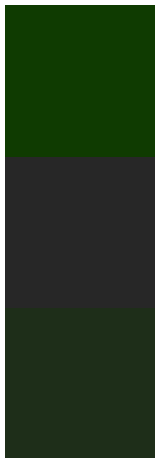
Original Color
21, 38.858, 133.648

Protanomaly
21, 31.556, 115.346

Deuteranomaly
20, 26.415, 111.223

Tritanomaly
21, 18.846, 156.088

Monochromacy



Original Color
21, 38.858, 133.648

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 16.417, 135.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 38.858, 133.648 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(15, 59, 1)` looks like.

```
.text, #text, p{  
    color:rgb(15, 59, 1)  
}
```

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(15, 59, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 59, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 38.858, 133.648 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(15, 59, 1) }
```

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

```
.border{ border-color:rgb(15, 59, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 59, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 59, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(15, 59, 1); box-shadow:4px  
4px 4px 4px rgb(15, 59, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 38.858, 133.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 59, 1) }
```

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

```
.background{ background-color: rgb(15, 59,  
1) }
```

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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