

Converting Colors

CIELCh(21, 34.328, 136.316)

Have a look what the booklet for
CIELCh(21, 34.328, 136.316)
contains.

CIELCh(21, 34.458, 136.239)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(21, 34.458, 136.239)

Conversions

Conversions Part 1

Format	Color
Hex	123B0C
RGB	18, 59, 12
RGB Percent	7%, 23%, 5%
CMY	0.9308, 0.7699, 0.9543
CMYK	0.70, 0.00, 0.80, 0.77
HSL	112°, 67%, 14%
HSV	112°, 80%, 23%
XYZ	1.8541, 3.2451, 0.8651
YIQ	41.3830, -9.3490, -23.3090

Conversions

Conversions Part 2

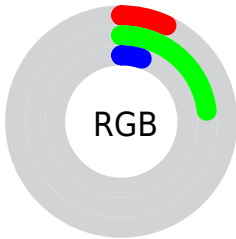
Format	Color
RYB	12, 59, 53
Decimal	1194764
CIELab	21.00, -24.89, 23.83
CIELCh	21, 34.458, 136.239
Yxy	3.2451, 0.3109, 0.5441
Android (android.graphics.Color)	4279384844 (0xFF123B0C)
YUV	41.3830, -14.4858, -20.5069
Hunter-Lab	18.0142, -13.1532, 9.7626

Details

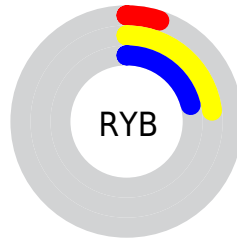
The CIELCh color **21, 34.458, 136.239** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 34.570, 323.648**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 34.683, 135.827**, and **2, 3.939, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 37.345, 135.940**, and if you desaturate by 10%, it is **21, 30.979, 136.816**.

Distribution



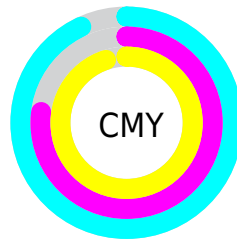
- Red (7%)
- Green (23%)
- Blue (5%)



- Red (5%)
- Yellow (23%)
- Blue (21%)



- Cyan (70%)
- Magenta (0%)
- Yellow (80%)
- Black (77%)





- Cyan (93%)
- Magenta (77%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 34.458, 136.239 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, 34.458, 136.239 by changing the saturation by 10% instead.

 21, 34.458,
136.239


 21, 34.458,
136.239

 100, 34.458,
136.239


 11, 34.458,
136.239


 41, 34.458,
136.239


 1, 34.458, 136.239

 51, 34.458,
136.239

 0, 34.458, 136.239

 61, 34.458,
136.239

 71, 34.458,
136.239

 81, 34.458,
136.239

 91, 34.458,

136.239

■ 21, 34.458,
136.239

■ 21, 34.458,
136.239

■ 21, 37.345,
135.940

■ 21, 30.979,
136.816

■ 21, 40.060,
135.479

■ 22, 27.041,
137.510

■ 22, 22.806,
138.205

■ 22, 18.374,
138.866

■ 23, 13.828,
139.475

■ 23, 9.231, 140.026

■ 24, 4.631, 140.522

■ 25, 0.067, 142.366

■ 25, 4.436, 321.281

Harmonies

Complementary

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



21, 34.458, 136.239



11, 34.570, 323.648

Rectangle

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



21, 34.458, 136.239



21, 34.458, 186.239



21, 34.458, 316.239



21, 34.458, 6.239

Sweetspot

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



21, 34.458, 136.240



31, 13.730, 139.759



22, 25.640, 96.534



14, 9.260, 139.695



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, 34.458, 136.240



28, 47.820, 135.012



21, 27.520, 149.283



11, 2.620, 140.601



34, 56.969, 134.849



78, 106.969, 135.439

Inverse Universe

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



11, 34.570, 323.648



14, 47.461, 323.730



12, 27.417, 343.911



10, 2.630, 321.254



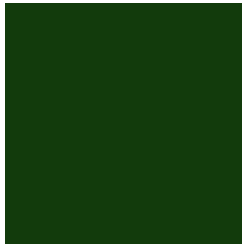
18, 56.326, 323.628



48, 105.041, 323.271

Previews

White Background



This preview shows how the CIELCh color 21, 34.458, 136.239 looks on a white background.

Color Contrast Check

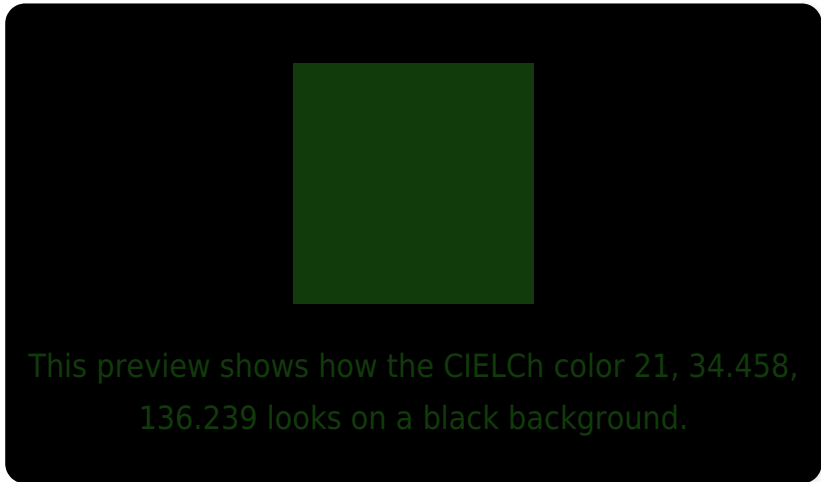
Large Text (above 18pt) WCAG AA ✓ Pass

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

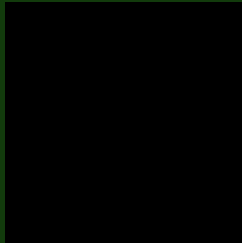
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 21, 34.458, 136.239

Background



This preview shows how black text looks on a background with the CIELCh color 21, 34.458, 136.239.



This preview shows how white text looks on a background with the CIELCh color 21, 34.458, 136.239.

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

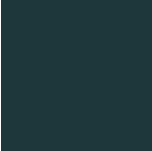
21, 34.458, 136.239

Protanopia

21, 25.578, 96.764

Deuteranopia

21, 22.113, 83.087



Tritanopia
21, 10.344, 212.956

Trichromacy



Original Color
21, 34.458, 136.239

Protanomaly
21, 27.119, 116.617

Deuteranomaly
20, 23.671, 111.179

Tritanomaly
21, 16.435, 161.355

Monochromacy



Original Color
21, 34.458, 136.239

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 13.542, 137.900

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 34.458, 136.239 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, 59, 12)` looks like.

```
.text, #text, p{  
    color:rgb(18, 59, 12)  
}
```

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, 59, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 59, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 34.458, 136.239 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, 59, 12) }
```

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

```
.border{ border-color:rgb(18, 59, 12) }
```

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

Here you see how a box with a 4 pixel rgb(18, 59, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 59, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 59, 12);  
box-shadow:4px 4px 4px 4px rgb(18, 59, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 21, 34.458, 136.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 59, 12) }
```

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

```
.background{ background-color: rgb(18, 59,  
12) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor