

Converting Colors

CIELCh(12, 14.429, 138.441)

Have a look what the booklet for
CIELCh(12, 14.429, 138.441)
contains.

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Color

CIELCh(12, 14.259, 139.446)

Conversions

Conversions Part 1

Format	Color
Hex	142312
RGB	20, 35, 18
RGB Percent	8%, 14%, 7%
CMY	0.9210, 0.8621, 0.9287
CMYK	0.43, 0.00, 0.48, 0.86
HSL	113°, 32%, 10%
HSV	113°, 48%, 14%
XYZ	1.0081, 1.4064, 0.7983
YIQ	28.5770, -3.4830, -8.4670

Conversions

Conversions Part 2

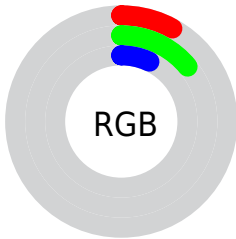
Format	Color
R_{YB}	18, 35, 33
Decimal	1319698
CIE Lab	12.00, -10.83, 9.27
CIE LCh	12, 14.259, 139.446
Yxy	1.4064, 0.3138, 0.4377
Android (android.graphics.Color)	4279509778 (0xFF142312)
YUV	28.5770, -5.2145, -7.5220
Hunter-Lab	11.8591, -5.5799, 4.3100

Details

The CIELCh color **12, 14.259, 139.446** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 14.471, 322.993**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 14.739, 139.076**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 16.835, 139.867**, and if you desaturate by 10%, it is **12, 11.420, 139.556**.

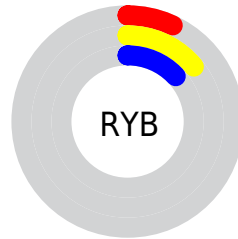
Distribution



Red (8%)

Green (14%)

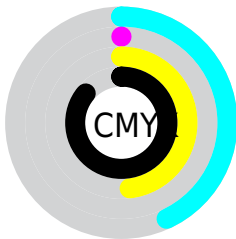
Blue (7%)



Red (7%)

Yellow (14%)

Blue (13%)

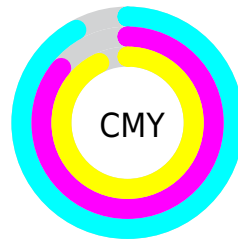


Cyan (43%)

Magenta (0%)

Yellow (48%)

Black (86%)



Cyan (92%)


Magenta (86%)


Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 14.259, 139.446 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 12, 14.259, 139.446 by changing the saturation by 10% instead.

 12, 14.259,
139.446


 12, 14.259,
139.446


 100, 14.259,
139.446


 2, 14.259, 139.446


 32, 14.259,
139.446

 0, 14.259, 139.446

 42, 14.259,
139.446

 52, 14.259,
139.446


 62, 14.259,
139.446


 72, 14.259,
139.446


 82, 14.259,


139.446


 92, 14.259,
139.446

 12, 14.259,
139.446


 12, 14.259,
139.446

 12, 16.835,
139.867


 12, 11.420,
139.556

 11, 19.135,
140.521


 13, 8.440, 140.076

 11, 21.163,
141.084

 13, 5.445, 140.548

 11, 23.080,
141.294

 13, 2.458, 140.982

 11, 24.982,
141.453

 14, 3.426, 321.636

■ 11, 25.303,
141.477

■ 15, 6.300, 321.937

■ 15, 9.119, 322.198

■ 16, 11.879,
322.427

Harmonies

Complementary

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



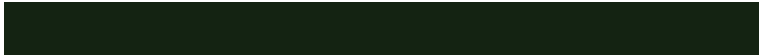
12, 14.259, 139.446



8, 14.471, 322.993

Rectangle

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



12, 14.259, 139.446



12, 14.259, 189.446



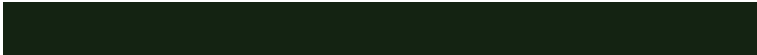
12, 14.259, 319.446



12, 14.259, 9.446

Sweetspot

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



12, 14.259, 139.446



18, 5.219, 140.694



13, 10.544, 101.148



7, 3.142, 141.506



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



12, 14.259, 139.446



16, 21.413, 138.140



12, 11.235, 154.546



5, 1.208, 141.412



30, 51.500, 134.789



73, 102.400, 135.498

Inverse Universe

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



8, 14.471, 322.993



10, 21.578, 323.424



8, 11.483, 340.927



5, 1.208, 321.117



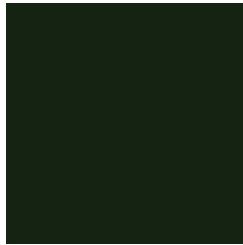
15, 50.891, 324.116



46, 100.342, 323.724

Previews

White Background



This preview shows how the CIELCh color 12, 14.259, 139.446 looks on a white background.

Color Contrast Check

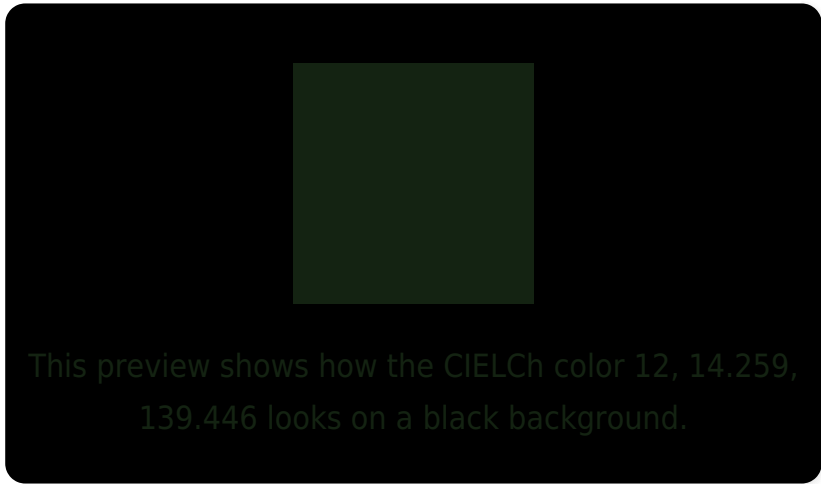
Large Text (above 18pt) WCAG AA ✓ Pass

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

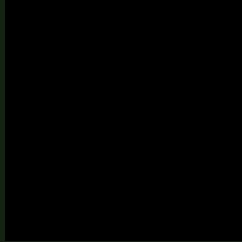
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 14.259, 139.446

Background



This preview shows how black text looks on a background with the CIELCh color 12, 14.259, 139.446.



This preview shows how white text looks on a background with the CIELCh color 12, 14.259, 139.446.

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

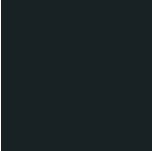
12, 14.259, 139.446

Protanopia

12, 10.525, 98.081

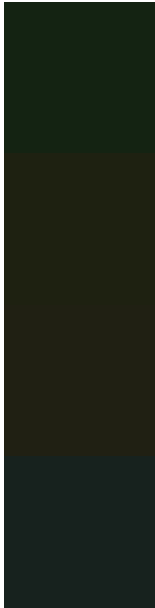
Deuteranopia

12, 9.065, 78.153



Tritanopia
12, 4.560, 227.184

Trichromacy



Original Color

12, 14.259, 139.446

Protanomaly

12, 11.192, 115.606

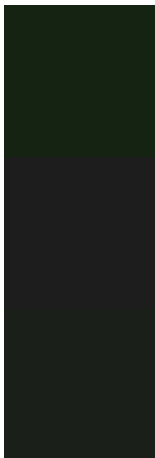
Deuteranomaly

12, 9.177, 107.481

Tritanomaly

12, 6.072, 169.368

Monochromacy



Original Color

12, 14.259, 139.446

Achromatopsia

11, 0.003, 296.813

Achromatomaly

11, 5.085, 139.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 14.259, 139.446 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(20, 35, 18)` looks like.

```
.text, #text, p{  
    color:rgb(20, 35, 18)  
}
```

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(20, 35, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 35, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 14.259, 139.446 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(20, 35, 18) }
```

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

```
.border{ border-color:rgb(20, 35, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 35, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 35, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 35, 18);  
box-shadow:4px 4px 4px 4px rgb(20, 35, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 14.259, 139.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 35, 18) }
```

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

```
.background{ background-color: rgb(20, 35,  
18) }
```

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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