

Converting Colors

CIELCh(12, 10.299, 145.921)

Have a look what the booklet for
CIELCh(12, 10.299, 145.921)
contains.

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Color

CIELCh(12, 10.863, 144.590)

Conversions

Conversions Part 1

Format	Color
Hex	162317
RGB	22, 35, 23
RGB Percent	9%, 14%, 9%
CMY	0.9152, 0.8642, 0.9112
CMYK	0.38, 0.00, 0.35, 0.86
HSL	125°, 23%, 11%
HSV	125°, 38%, 14%
XYZ	1.0636, 1.4064, 1.0070
YIQ	29.7450, -3.8960, -6.4880

Conversions

Conversions Part 2

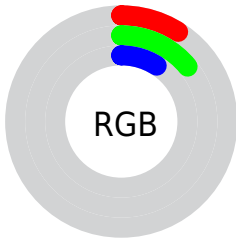
Format	Color
R_YB	22, 34, 35
Decimal	1450775
CIE Lab	12.00, -8.85, 6.29
CIE LCh	12, 10.863, 144.590
Yxy	1.4064, 0.3059, 0.4045
Android (android.graphics.Color)	4279640855 (0xFF162317)
YUV	29.7450, -3.3253, -6.7924
Hunter-Lab	11.8591, -4.7444, 3.2666

Details

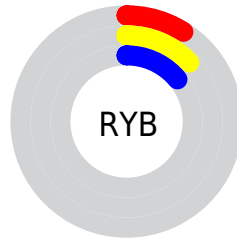
The CIELCh color **12, 10.863, 144.590** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 10.871, 328.225**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 10.318, 145.414**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 13.672, 144.128**, and if you desaturate by 10%, it is **12, 7.969, 145.223**.

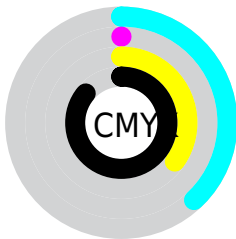
Distribution



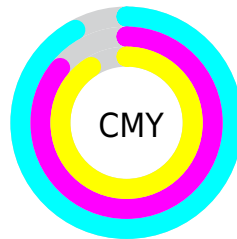
- Red (9%)
- Green (14%)
- Blue (9%)



- Red (9%)
- Yellow (13%)
- Blue (14%)



- Cyan (38%)
- Magenta (0%)
- Yellow (35%)
- Black (86%)



- Cyan (92%)
- Magenta (86%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 10.863, 144.590 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, 10.863, 144.590 by changing the saturation by 10% instead.

■ 12, 10.863,
144.590

■ 12, 10.863,
144.590

■ 100, 10.863,
144.590

■ 2, 10.863, 144.590

■ 32, 10.863,
144.590

■ 0, 10.863, 144.590

■ 42, 10.863,
144.590


■ 52, 10.863,
144.590


■ 62, 10.863,
144.590


■ 72, 10.863,
144.590


■ 82, 10.863,

144.590


 92, 10.863,
144.590

 12, 10.863,
144.590


 12, 10.863,
144.590

 12, 13.672,
144.128


 12, 7.969, 145.223


 11, 16.259,
144.177


 13, 5.059, 145.788

 11, 18.577,
144.408

 13, 2.159, 146.306

 11, 20.550,
144.614

 14, 0.713, 326.587

 11, 22.404,
144.905

 14, 3.542, 327.071

 15, 6.319, 327.426

 15, 9.035, 327.736

■ 11, 24.244,
145.143

■ 16, 11.687,
328.011

■ 10, 24.698,
145.195

■ 16, 14.271,
328.256

Harmonies

Complementary

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



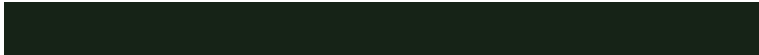
12, 10.863, 144.590



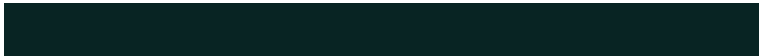
9, 10.871, 328.225

Rectangle

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



12, 10.863, 144.590



12, 10.863, 194.590



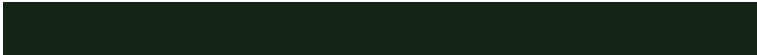
12, 10.863, 324.590



12, 10.863, 14.590

Sweetspot

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



12, 10.863, 144.590



18, 4.030, 146.085



13, 9.200, 110.341



7, 2.407, 146.504



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, 10.863, 144.590



17, 16.510, 143.814



12, 7.501, 164.692



5, 1.190, 146.554



29, 50.416, 137.580



73, 101.702, 136.589

Inverse Universe

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



9, 10.871, 328.225



12, 16.498, 328.698



9, 7.873, 350.225



5, 1.187, 326.650



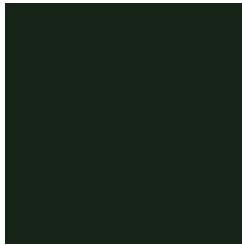
17, 47.775, 331.284



49, 93.584, 331.610

Previews

White Background



This preview shows how the CIELCh color 12, 10.863, 144.590 looks on a white background.

Color Contrast Check

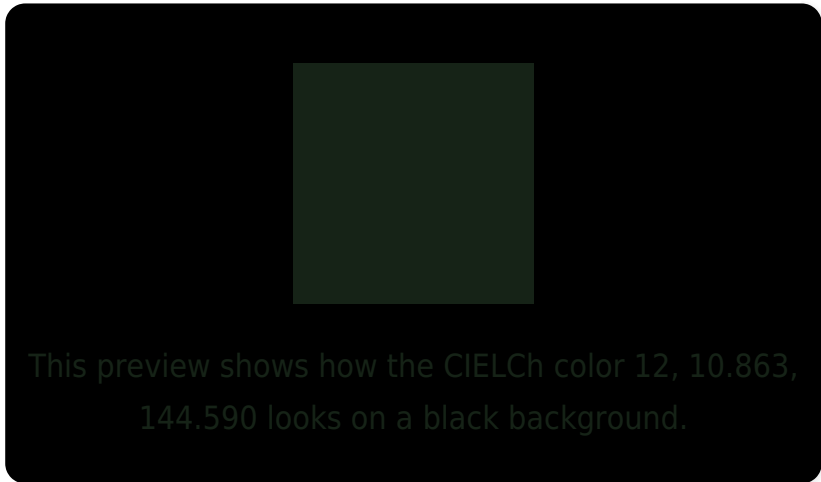
Large Text (above 18pt) WCAG AA ✓ Pass

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

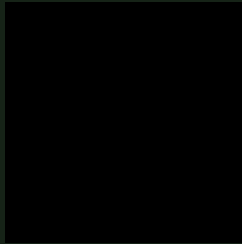
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 10.863, 144.590

Background



This preview shows how black text looks on a background with the CIELCh color 12, 10.863, 144.590.

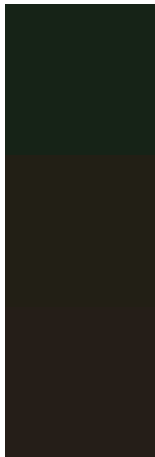


This preview shows how white text looks on a background with the CIELCh color 12, 10.863, 144.590.

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

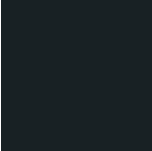
12, 10.863, 144.590

Protanopia

12, 7.374, 95.045

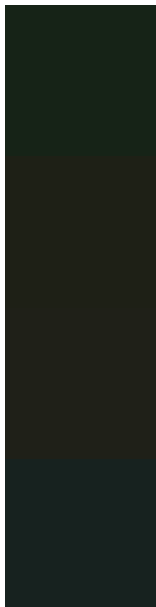
Deuteranopia

12, 5.800, 67.948



Tritanopia
12, 4.560, 227.184

Trichromacy



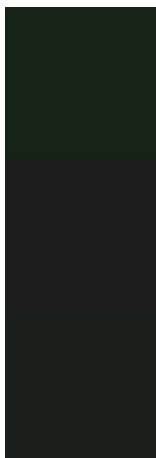
Original Color
12, 10.863, 144.590

Protanomaly
12, 7.264, 116.410

Deuteranomaly
12, 5.780, 113.642

Tritanomaly
12, 5.705, 175.546

Monochromacy



Original Color
12, 10.863, 144.590

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 3.880, 149.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 10.863, 144.590 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(22, 35, 23)` looks like.

```
.text, #text, p{  
    color:rgb(22, 35, 23)  
}
```

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(22, 35, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 35, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 10.863, 144.590 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(22, 35, 23) }
```

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

```
.border{ border-color:rgb(22, 35, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 35, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 35, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 35, 23);  
box-shadow:4px 4px 4px 4px rgb(22, 35, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 10.863, 144.590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 35, 23) }
```

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

```
.background{ background-color: rgb(22, 35,  
23) }
```

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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