

Converting Colors

CIELCh(12, 13.143, 138.166)

Have a look what the booklet for
CIELCh(12, 13.143, 138.166)
contains.

CIELCh(12, 13.187, 137.549)	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(12, 13.187, 137.549)

Conversions

Conversions Part 1

Format	Color
Hex	162313
RGB	22, 35, 19
RGB Percent	9%, 14%, 7%
CMY	0.9144, 0.8635, 0.9262
CMYK	0.37, 0.00, 0.46, 0.86
HSL	109°, 30%, 11%
HSV	109°, 46%, 14%
XYZ	1.0388, 1.4064, 0.8242
YIQ	29.2890, -2.6120, -7.7320

Conversions

Conversions Part 2

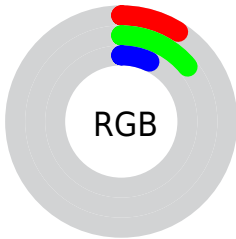
Format	Color
RYB	19, 35, 32
Decimal	1450771
CIELab	12.00, -9.73, 8.90
CIELCh	12, 13.187, 137.549
Yxy	1.4064, 0.3177, 0.4302
Android (android.graphics.Color)	4279640851 (0xFF162313)
YUV	29.2890, -5.0725, -6.3925
Hunter-Lab	11.8591, -5.1179, 4.1807

Details

The CIELCh color **12, 13.187, 137.549** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 13.451, 320.689**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 12.993, 137.145**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 15.728, 137.996**, and if you desaturate by 10%, it is **12, 10.397, 137.703**.

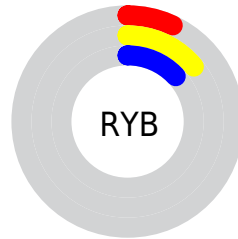
Distribution



Red (9%)

Green (14%)

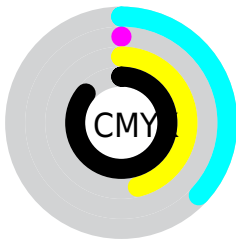
Blue (7%)



Red (7%)

Yellow (14%)

Blue (13%)

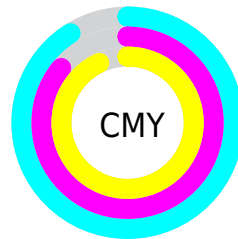


Cyan (37%)

Magenta (0%)

Yellow (46%)

Black (86%)



Cyan (91%)

Magenta (86%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 13.187, 137.549 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, 13.187, 137.549 by changing the saturation by 10% instead.

■ 12, 13.187,
137.549

■ 12, 13.187,
137.549

■ 100, 13.187,
137.549

■ 2, 13.187, 137.549

■ 32, 13.187,
137.549

■ 0, 13.187, 137.549

■ 42, 13.187,
137.549


■ 52, 13.187,
137.549


■ 62, 13.187,
137.549


■ 72, 13.187,
137.549


■ 82, 13.187,


137.549


 92, 13.187,
137.549

 12, 13.187,
137.549


 12, 13.187,
137.549

 12, 15.728,
137.996


 12, 10.397,
137.703


 11, 18.009,
138.726

 13, 7.504, 138.158


 11, 20.042,
139.518

 13, 4.604, 138.576

 13, 1.715, 138.973

 11, 21.948,
139.907

 14, 1.149, 319.214

 11, 23.780,
140.029

 14, 3.977, 319.553

■ 11, 24.512,
140.069

■ 15, 6.762, 319.826

■ 15, 9.496, 320.064

■ 16, 12.177,
320.275

Harmonies

Complementary

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



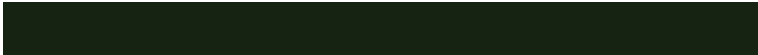
12, 13.187, 137.549



8, 13.451, 320.689

Rectangle

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



12, 13.187, 137.549



12, 13.187, 187.549



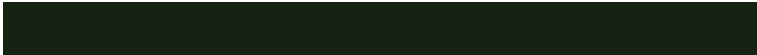
12, 13.187, 317.549



12, 13.187, 7.549

Sweetspot

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



12, 13.187, 137.550



18, 5.101, 138.614



12, 9.219, 96.383



7, 3.077, 139.506



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, 13.187, 137.550



17, 19.921, 136.530



12, 11.336, 151.347



5, 1.183, 139.350



30, 50.912, 133.900



74, 101.522, 134.854

Inverse Universe

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



8, 13.451, 320.689



11, 20.261, 321.087



8, 11.465, 336.859



5, 1.181, 318.927



14, 51.291, 321.645



43, 101.262, 321.038

Previews

White Background



This preview shows how the CIELCh color 12, 13.187, 137.549 looks on a white background.

Color Contrast Check

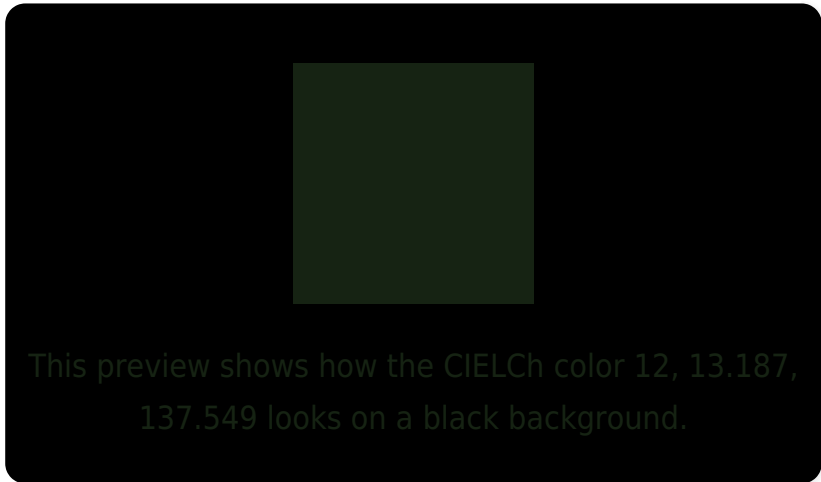
Large Text (above 18pt) WCAG AA ✓ Pass

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

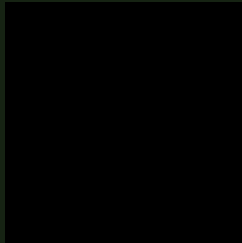
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 13.187, 137.549

Background



This preview shows how black text looks on a background with the CIELCh color 12, 13.187, 137.549.

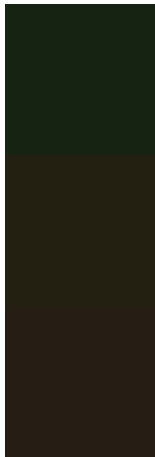


This preview shows how white text looks on a background with the CIELCh color 12, 13.187, 137.549.

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

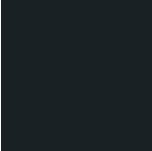
12, 13.187, 137.549

Protanopia

12, 9.943, 97.667

Deuteranopia

12, 8.498, 76.271



Tritanopia
12, 4.192, 230.032

Trichromacy



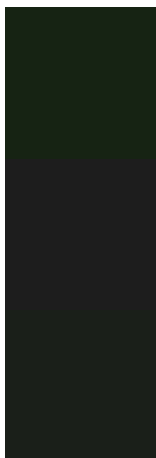
Original Color
12, 13.187, 137.549

Protanomaly
12, 10.608, 116.102

Deuteranomaly
12, 8.536, 107.596

Tritanomaly
12, 5.680, 167.341

Monochromacy



Original Color
12, 13.187, 137.549

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, 13.187, 137.549 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(22, 35, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 35, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 13.187, 137.549 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, 19) }
```

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

```
.border{ border-color:rgb(22, 35, 19) }
```

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, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 35, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 35, 19);  
box-shadow:4px 4px 4px 4px rgb(22, 35, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 13.187, 137.549 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, 19) }
```

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

```
.background{ background-color: rgb(22, 35,  
19) }
```

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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