

Converting Colors

CIELCh(18, 23.536, 138.310)

Have a look what the booklet for
CIELCh(18, 23.536, 138.310)
contains.

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Color

CIELCh(18, 23.834, 138.280)

Conversions

Conversions Part 1

Format	Color
Hex	173214
RGB	23, 50, 20
RGB Percent	9%, 20%, 8%
CMY	0.9096, 0.8038, 0.9214
CMYK	0.54, 0.00, 0.60, 0.80
HSL	114°, 43%, 14%
HSV	114°, 60%, 20%
XYZ	1.6233, 2.5180, 1.0641
YIQ	38.5070, -6.4620, -15.0540

Conversions

Conversions Part 2

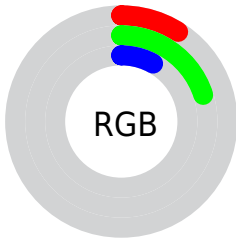
Format	Color
R_{YB}	20, 50, 47
Decimal	1520148
CIE _{Lab}	18.00, -17.79, 15.86
CIE _{LCh}	18, 23.834, 138.280
Yxy	2.5180, 0.3118, 0.4837
Android (android.graphics.Color)	4279710228 (0xFF173214)
YUV	38.5070, -9.1240, -13.5996
Hunter-Lab	15.8683, -9.5097, 7.1321

Details

The CIELCh color **18, 23.834, 138.280** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 23.962, 324.002**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 24.232, 138.493**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 27.312, 137.663**, and if you desaturate by 10%, it is **18, 20.067, 138.991**.

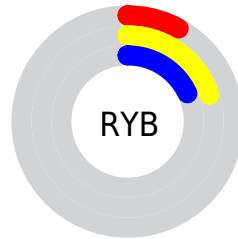
Distribution



Red (9%)

Green (20%)

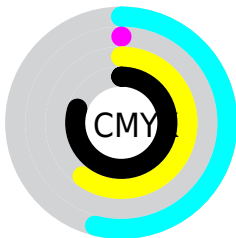
Blue (8%)



Red (8%)

Yellow (20%)

Blue (18%)

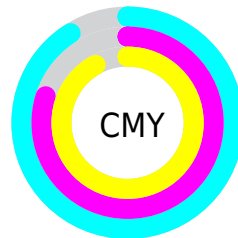


Cyan (54%)

Magenta (0%)

Yellow (60%)

Black (80%)



Cyan (91%)


Magenta (80%)


Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 23.834, 138.280 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 18, 23.834, 138.280 by changing the saturation by 10% instead.

 18, 23.834,
138.280


 18, 23.834,
138.280


 100, 23.834,
138.280


 8, 23.834, 138.280


 38, 23.834,
138.280

 0, 23.834, 138.280

 48, 23.834,
138.280


 58, 23.834,
138.280


 68, 23.834,
138.280


 78, 23.834,
138.280


 88, 23.834,


138.280


 98, 23.834,
138.280


 18, 23.834,
138.280


 18, 23.834,
138.280


 18, 27.312,
137.663


 18, 20.067,
138.991

 17, 30.212,
137.528


 19, 16.141,
139.657

 17, 32.755,
137.428

 19, 12.123,
140.267

 17, 35.301,
137.309

 20, 8.064, 140.816

 17, 35.312,
137.308

 20, 4.006, 141.310

 21, 0.021, 317.363

■ 21, 3.991, 322.064

■ 22, 7.890, 322.400

■ 23, 11.705,
322.688

Harmonies

Complementary

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



18, 23.834, 138.280



12, 23.962, 324.002

Rectangle

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



18, 23.834, 138.280



18, 23.834, 188.280



18, 23.834, 318.280



18, 23.834, 8.280

Sweetspot

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



18, 23.834, 138.281



27, 9.207, 140.864



19, 17.721, 99.554



12, 6.260, 140.824



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 23.834, 138.281



24, 35.180, 137.117



18, 18.522, 152.911



9, 2.255, 141.416



32, 54.961, 135.052



76, 105.360, 135.610

Inverse Universe

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



12, 23.962, 324.002



15, 35.196, 324.410



11, 18.936, 342.329



8, 2.263, 322.018



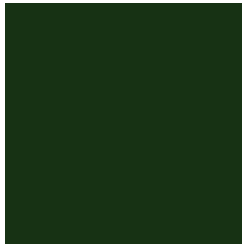
18, 54.054, 324.619



48, 102.923, 324.313

Previews

White Background



This preview shows how the CIELCh color 18, 23.834, 138.280 looks on a white background.

Color Contrast Check

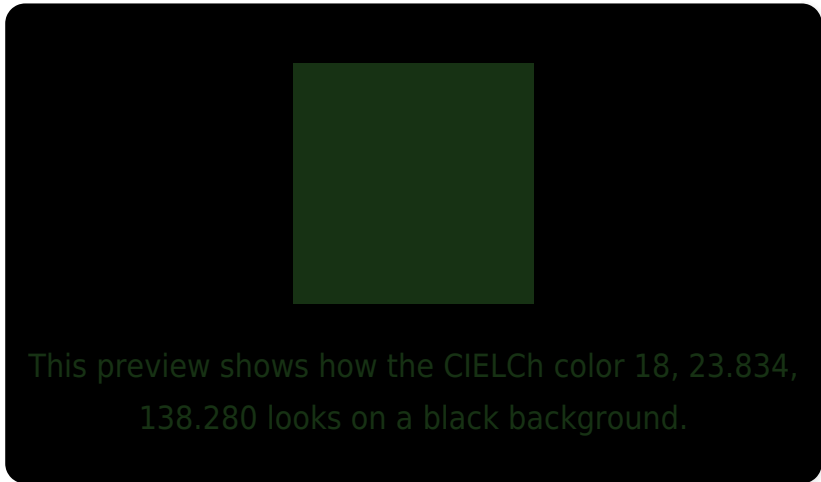
Large Text (above 18pt) WCAG AA ✓ Pass

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

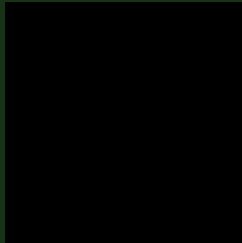
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 23.834, 138.280

Background



This preview shows how black text looks on a background with the CIELCh color 18, 23.834, 138.280.



This preview shows how white text looks on a background with the CIELCh color 18, 23.834, 138.280.

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

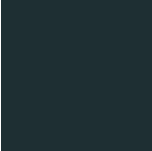
18, 23.834, 138.280

Protanopia

18, 17.631, 96.628

Deuteranopia

18, 15.294, 80.910



Tritanopia
18, 7.481, 219.934

Trichromacy



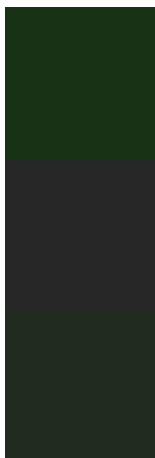
Original Color
18, 23.834, 138.280

Protanomaly
18, 18.236, 115.762

Deuteranomaly
18, 16.135, 109.855

Tritanomaly
18, 10.980, 166.946

Monochromacy



Original Color
18, 23.834, 138.280

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 9.128, 140.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 23.834, 138.280 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(23, 50, 20)` looks like.

```
.text, #text, p{  
    color:rgb(23, 50, 20)  
}
```

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(23, 50, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 50, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 23.834, 138.280 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(23, 50, 20) }
```

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

```
.border{ border-color:rgb(23, 50, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 50, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 50, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 50, 20);  
box-shadow:4px 4px 4px 4px rgb(23, 50, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 23.834, 138.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 50, 20) }
```

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

```
.background{ background-color: rgb(23, 50,  
20) }
```

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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