

Converting Colors

CIELCh(18, 10.433, 138.968)

Have a look what the booklet for
CIELCh(18, 10.433, 138.968)
contains.

CIELCh(18, 10.433, 138.968)	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(18, 10.433, 138.968)

Conversions

Conversions Part 1

Format	Color
Hex	242F22
RGB	36, 47, 34
RGB Percent	14%, 18%, 13%
CMY	0.8590, 0.8159, 0.8669
CMYK	0.23, 0.00, 0.28, 0.82
HSL	111°, 16%, 16%
HSV	111°, 28%, 18%
XYZ	2.0281, 2.5180, 1.8886
YIQ	42.2290, -2.3830, -6.3750

Conversions

Conversions Part 2

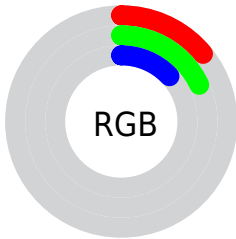
Format	Color
R_YB	34, 47, 45
Decimal	2371362
CIE Lab	18.00, -7.87, 6.85
CIE LCh	18, 10.433, 138.968
Yxy	2.5180, 0.3152, 0.3913
Android (android.graphics.Color)	4280561442 (0xFF242F22)
YUV	42.2290, -4.0569, -5.4628
Hunter-Lab	15.8683, -4.9561, 4.0512

Details

The CIELCh color **18, 10.433, 138.968** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 10.517, 321.215**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 10.584, 138.106**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 14.193, 138.432**, and if you desaturate by 10%, it is **18, 6.651, 139.456**.

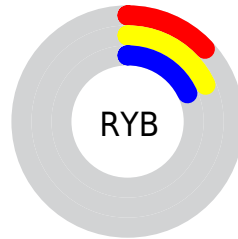
Distribution



Red (14%)

Green (18%)

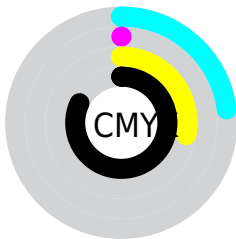
Blue (13%)



Red (13%)

Yellow (18%)

Blue (18%)

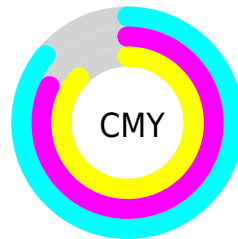


Cyan (23%)

Magenta (0%)

Yellow (28%)

Black (82%)



Cyan (86%)

Magenta (82%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 10.433, 138.968 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, 10.433, 138.968 by changing the saturation by 10% instead.

■ 18, 10.433,
138.968

■ 18, 10.433,
138.968

■ 100, 10.433,
138.968

■ 8, 10.433, 138.968

■ 38, 10.433,
138.968

■ 0, 10.433, 138.968

■ 48, 10.433,
138.968


■ 58, 10.433,
138.968


■ 68, 10.433,
138.968


■ 78, 10.433,
138.968


■ 88, 10.433,

138.968


 98, 10.433,
138.968

 18, 10.433,
138.968


 18, 10.433,
138.968

 18, 14.193,
138.432


 18, 6.651, 139.456

 17, 17.888,
137.851


 19, 2.877, 139.904


 17, 21.464,
137.236

 20, 0.865, 320.166

 17, 24.770,
136.823

 21, 8.181, 320.883

 16, 27.567,
136.913

 21, 11.733,
321.146

■ 16, 30.027,
137.083

■ 22, 15.207,
321.374

■ 16, 32.428,
137.046

■ 23, 18.599,
321.574

■ 16, 32.988,
137.045

■ 23, 21.908,
321.748

Harmonies

Complementary

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



18, 10.433, 138.968



15, 10.517, 321.215

Rectangle

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



18, 10.433, 138.968



18, 10.433, 188.968



18, 10.433, 318.968



18, 10.433, 8.968

Sweetspot

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



18, 10.434, 138.969



25, 3.744, 139.870



18, 7.489, 99.779



11, 2.598, 139.850



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



18, 10.434, 138.969



24, 15.542, 138.588



18, 8.618, 153.884



7, 1.883, 140.369



31, 53.449, 134.451



75, 103.868, 135.212

Inverse Universe

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



15, 10.517, 321.215



19, 15.691, 321.485



15, 8.715, 337.327



7, 1.881, 319.977



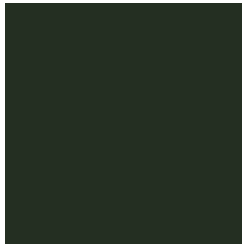
16, 53.259, 322.774



45, 102.626, 322.303

Previews

White Background



This preview shows how the CIE LCh color 18, 10.433, 138.968 looks on a white background.

Color Contrast Check

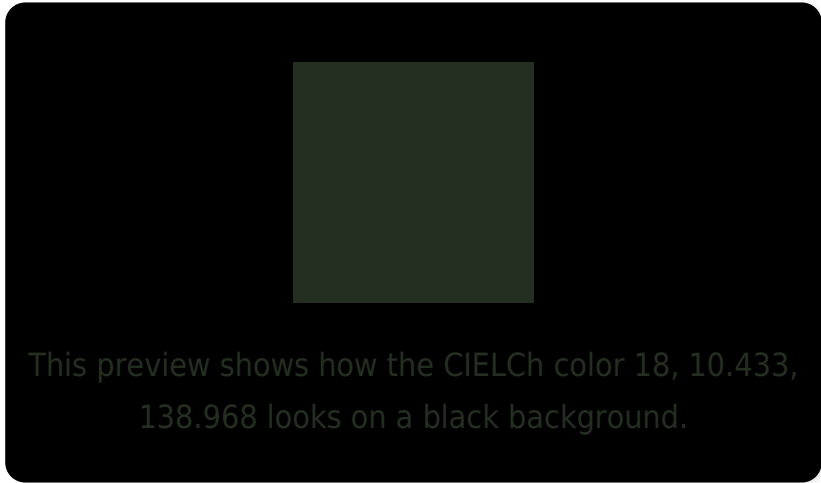
Large Text (above 18pt) WCAG AA ✓ Pass

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

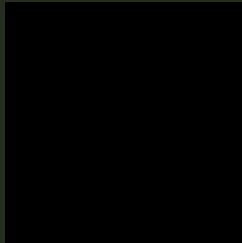
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 10.433, 138.968

Background



This preview shows how black text looks on a background with the CIELCh color 18, 10.433, 138.968.

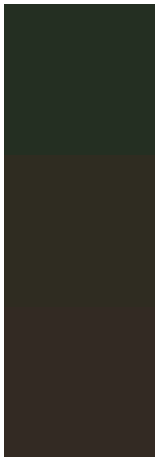


This preview shows how white text looks on a background with the CIELCh color 18, 10.433, 138.968.

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

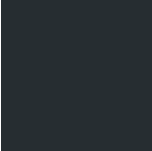
18, 10.433, 138.968

Protanopia

18, 7.698, 96.658

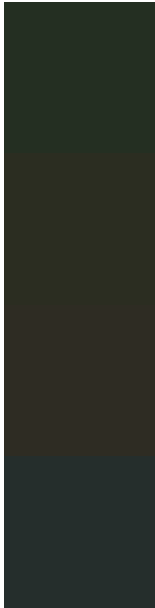
Deuteranopia

18, 6.728, 65.423



Tritanopia
18, 4.096, 241.546

Trichromacy



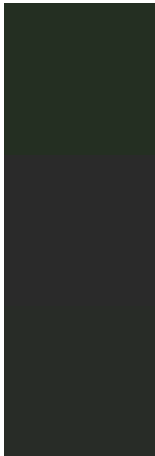
Original Color
18, 10.433, 138.968

Protanomaly
18, 8.269, 115.135

Deuteranomaly
18, 6.259, 99.255

Tritanomaly
18, 4.390, 180.145

Monochromacy



Original Color
18, 10.433, 138.968

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 3.976, 138.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 10.433, 138.968 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(36, 47, 34)` looks like.

```
.text, #text, p{  
    color:rgb(36, 47, 34)  
}
```

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(36, 47, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 47, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 10.433, 138.968 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(36, 47, 34) }
```

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

```
.border{ border-color:rgb(36, 47, 34) }
```

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

Here you see how a box with a 4 pixel rgb(36, 47, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 47, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 47, 34);  
box-shadow:4px 4px 4px 4px rgb(36, 47, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 10.433, 138.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 47, 34) }
```

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

```
.background{ background-color: rgb(36, 47,  
34) }
```

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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