

Converting Colors

CIELCh(18, 9.535, 136.845)

Have a look what the booklet for
CIELCh(18, 9.535, 136.845) contains.

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Color

CIELCh(18, 10.185, 136.778)

Conversions

Conversions Part 1

Format	Color
Hex	252F22
RGB	37, 47, 34
RGB Percent	15%, 18%, 13%
CMY	0.8558, 0.8166, 0.8675
CMYK	0.21, 0.00, 0.28, 0.82
HSL	106°, 16%, 16%
HSV	106°, 28%, 18%
XYZ	2.0478, 2.5180, 1.8749
YIQ	42.5280, -1.7870, -6.1630

Conversions

Conversions Part 2

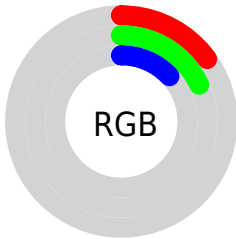
Format	Color
R_YB	34, 47, 44
Decimal	2436898
CIE Lab	18.00, -7.42, 6.97
CIE LCh	18, 10.185, 136.778
Yxy	2.5180, 0.3179, 0.3910
Android (android.graphics.Color)	4280626978 (0xFF252F22)
YUV	42.5280, -4.2043, -4.8481
Hunter-Lab	15.8683, -4.7342, 4.1026

Details

The CIELCh color **18, 10.185, 136.778** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 10.314, 318.876**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 10.373, 136.113**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.844, 136.300**, and if you desaturate by 10%, it is **18, 6.506, 137.222**.

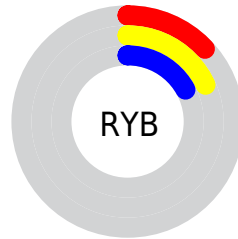
Distribution



Red (15%)

Green (18%)

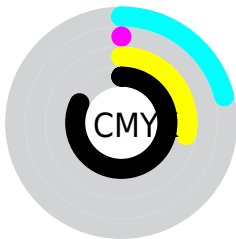
Blue (13%)



Red (13%)

Yellow (18%)

Blue (17%)

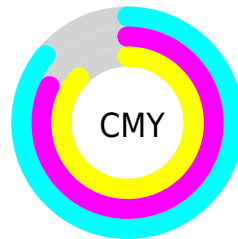


Cyan (21%)

Magenta (0%)

Yellow (28%)

Black (82%)



Cyan (86%)

Magenta (82%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 10.185, 136.778 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, 10.185, 136.778 by changing the saturation by 10% instead.

■ 18, 10.185,
136.778

■ 18, 10.185,
136.778

■ 100, 10.185,
136.778

■ 8, 10.185, 136.778

■ 38, 10.185,
136.778

■ 0, 10.185, 136.778

■ 48, 10.185,
136.778


■ 58, 10.185,
136.778


■ 68, 10.185,
136.778


■ 78, 10.185,
136.778


■ 88, 10.185,

136.778


 98, 10.185,
136.778

 18, 10.185,
136.778


 18, 10.185,
136.778

 18, 13.844,
136.300


 18, 6.506, 137.222

 17, 17.443,
135.792


 19, 2.833, 137.634


 17, 20.937,
135.269

 19, 0.811, 317.874

 17, 24.170,
134.977

 21, 7.957, 318.554

 16, 26.911,
135.204

 21, 11.438,
318.805

■ 16, 29.349,
135.528

■ 22, 14.849,
319.025

■ 16, 31.741,
135.636

■ 22, 18.188,
319.217

■ 16, 32.266,
135.633

■ 23, 21.453,
319.386

Harmonies

Complementary

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



18, 10.185, 136.778



15, 10.314, 318.876

Rectangle

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



18, 10.185, 136.778



18, 10.185, 186.778



18, 10.185, 316.778



18, 10.185, 6.778

Sweetspot

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



18, 10.186, 136.779



25, 3.658, 137.606



18, 7.012, 95.613



11, 2.538, 137.587



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, 10.186, 136.779



24, 15.172, 136.441



18, 9.063, 151.271



7, 1.842, 138.153



32, 52.725, 133.375



75, 102.713, 134.363

Inverse Universe

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



15, 10.314, 318.876



19, 15.409, 319.133



15, 9.128, 334.516



7, 1.838, 317.621



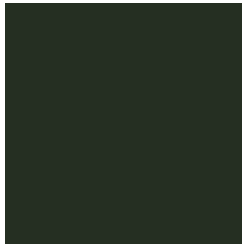
15, 53.776, 320.232



43, 103.771, 319.569

Previews

White Background



This preview shows how the CIELCh color 18, 10.185, 136.778 looks on a white background.

Color Contrast Check

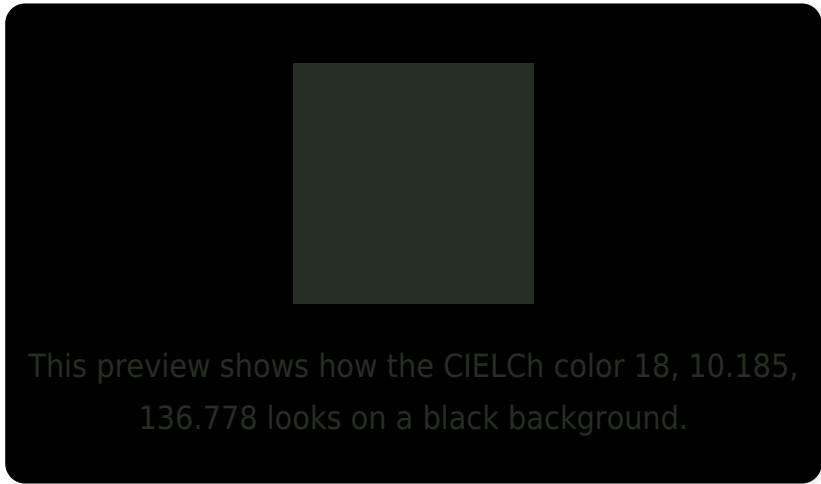
Large Text (above 18pt) WCAG AA ✓ Pass

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

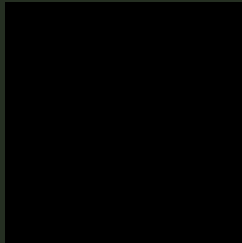
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 10.185, 136.778

Background



This preview shows how black text looks on a background with the CIELCh color 18, 10.185, 136.778.

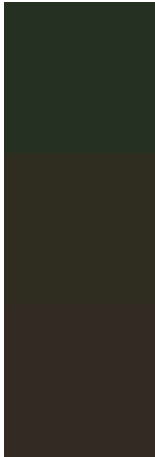


This preview shows how white text looks on a background with the CIELCh color 18, 10.185, 136.778.

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

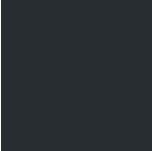
18, 10.185, 136.778

Protanopia

18, 8.367, 97.355

Deuteranopia

18, 6.728, 65.423



Tritanopia
18, 3.357, 237.224

Trichromacy



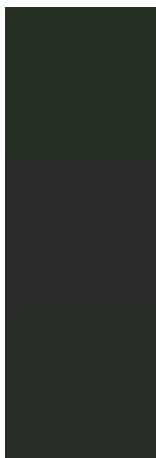
Original Color
18, 10.185, 136.778

Protanomaly
18, 8.269, 115.135

Deuteranomaly
18, 6.259, 99.255

Tritanomaly
18, 4.294, 169.706

Monochromacy



Original Color
18, 10.185, 136.778

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, 10.185, 136.778 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(37, 47, 34)` looks like.

```
.text, #text, p{  
    color:rgb(37, 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(37, 47, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 47, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 10.185, 136.778 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(37, 47, 34) }
```

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

```
.border{ border-color:rgb(37, 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(37, 47, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 47, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 47, 34);  
box-shadow:4px 4px 4px 4px rgb(37, 47, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 10.185, 136.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 47, 34) }
```

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

```
.background{ background-color: rgb(37, 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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