

Converting Colors

CIELCh(18, 10.216, 153.766)

Have a look what the booklet for
CIELCh(18, 10.216, 153.766)
contains.

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Color

CIELCh(18, 10.733, 152.593)

Conversions

Conversions Part 1

Format	Color
Hex	203025
RGB	32, 48, 37
RGB Percent	13%, 19%, 15%
CMY	0.8758, 0.8132, 0.8562
CMYK	0.34, 0.00, 0.23, 0.81
HSL	139°, 20%, 16%
HSV	139°, 34%, 19%
XYZ	1.9562, 2.5180, 2.1053
YIQ	41.9620, -6.0050, -6.8130

Conversions

Conversions Part 2

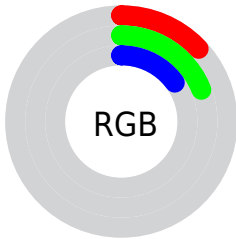
Format	Color
RYB	32, 44, 48
Decimal	2109477
CIELab	18.00, -9.53, 4.94
CIELCh	18, 10.733, 152.593
Yxy	2.5180, 0.2973, 0.3827
Android (android.graphics.Color)	4280299557 (0xFF203025)
YUV	41.9620, -2.4463, -8.7367
Hunter-Lab	15.8683, -5.7647, 3.2417

Details

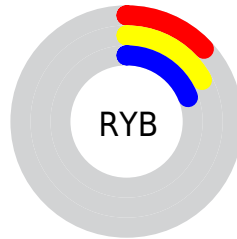
The CIELCh color **18, 10.733, 152.593** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **14, 10.855, 336.821**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 10.350, 152.834**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.877, 151.745**, and if you desaturate by 10%, it is **18, 7.540, 153.351**.

Distribution



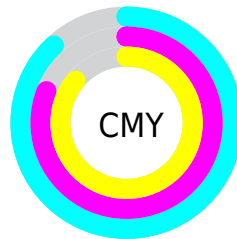
- Red (13%)
- Green (19%)
- Blue (15%)



- Red (13%)
- Yellow (17%)
- Blue (19%)



- Cyan (34%)
- Magenta (0%)
- Yellow (23%)
- Black (81%)



- Cyan (88%)
- Magenta (81%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 10.733, 152.593 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, 10.733, 152.593 by changing the saturation by 10% instead.

■ 18, 10.733,
152.593

■ 18, 10.733,
152.593

■ 100, 10.733,
152.593

■ 8, 10.733, 152.593

■ 38, 10.733,
152.593

■ 0, 10.733, 152.593

■ 48, 10.733,
152.593


■ 58, 10.733,
152.593


■ 68, 10.733,
152.593


■ 78, 10.733,
152.593


■ 88, 10.733,

152.593


 98, 10.733,
152.593

 18, 10.733,
152.593


 18, 10.733,
152.593

 18, 13.877,
151.745


 18, 7.540, 153.351

 17, 16.934,
150.793


 19, 4.329, 154.036

 17, 19.862,
149.727


 19, 1.128, 154.722

 17, 22.622,
148.536

 21, 5.163, 335.619

 16, 25.199,
147.271

 21, 8.223, 336.074

 22, 11.214,

■ 16, 27.727,
146.358

336.486

■ 16, 29.299,
146.088

■ 23, 14.131,
336.863

■ 24, 16.970,
337.210

Harmonies

Complementary

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



18, 10.733, 152.593



14, 10.855, 336.821

Rectangle

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



18, 10.733, 152.593



18, 10.733, 202.593



18, 10.733, 332.593



18, 10.733, 22.593

Sweetspot

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



18, 10.734, 152.593



25, 3.938, 154.233



19, 11.089, 120.198



11, 2.623, 154.225



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, 10.734, 152.593



23, 15.745, 151.872



18, 7.495, 180.705



7, 1.592, 154.464



31, 46.046, 143.269



75, 92.573, 141.332

Inverse Universe

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



14, 10.855, 336.821



18, 15.943, 337.405



14, 8.402, 6.257



7, 1.573, 335.161



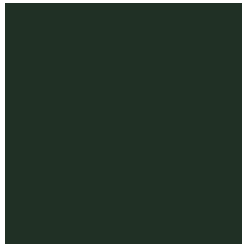
17, 42.345, 344.132



48, 80.130, 346.073

Previews

White Background



This preview shows how the CIE LCh color 18, 10.733, 152.593 looks on a white background.

Color Contrast Check

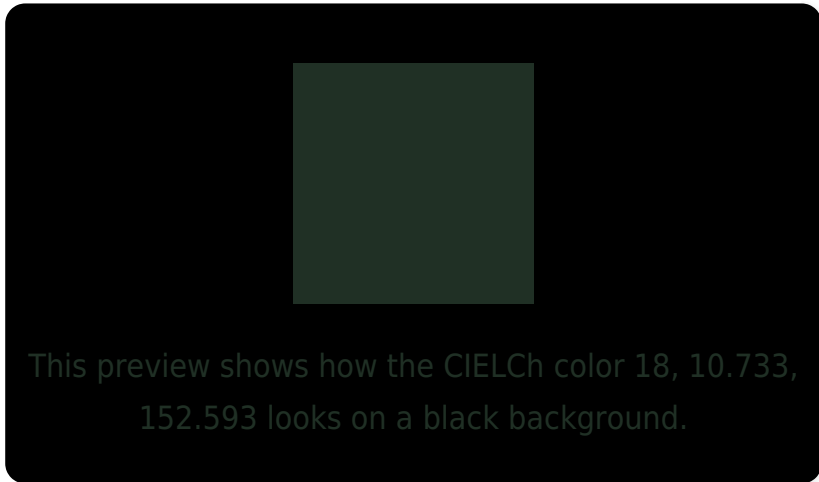
Large Text (above 18pt) WCAG AA ✓ Pass

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, 10.733, 152.593

Background



This preview shows how black text looks on a background with the CIELCh color 18, 10.733, 152.593.



This preview shows how white text looks on a background with the CIELCh color 18, 10.733, 152.593.

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, 10.733, 152.593

Protanopia
18, 6.362, 94.706

Deuteranopia
18, 4.900, 54.129



Tritanopia
18, 5.768, 227.286

Trichromacy



Original Color
18, 10.733, 152.593

Protanomaly
18, 6.499, 126.340

Deuteranomaly
18, 4.161, 115.914

Tritanomaly
18, 6.432, 185.648

Monochromacy



Original Color
18, 10.733, 152.593

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 4.010, 154.890

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 10.733, 152.593 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(32, 48, 37)` looks like.

```
.text, #text, p{  
    color:rgb(32, 48, 37)  
}
```

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(32, 48, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 48, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 10.733, 152.593 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(32, 48, 37) }
```

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

```
.border{ border-color:rgb(32, 48, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 48, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 48, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 48, 37);  
box-shadow:4px 4px 4px 4px rgb(32, 48, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 10.733, 152.593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 48, 37) }
```

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

```
.background{ background-color: rgb(32, 48,  
37) }
```

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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