

Converting Colors

HunterLab(16.6680, 1.5086,
-18.8132)

Have a look what the booklet for
HunterLab(16.6680, 1.5086,
-18.8132) contains.

HunterLab(16.7839, 1.3331, -18.5435)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**HunterLab(16.7839, 1.3331,
-18.5435)**

Conversions

Conversions Part 1

Format	Color
Hex	152F53
RGB	21, 47, 83
RGB Percent	8%, 18%, 33%
CMY	0.9176, 0.8157, 0.6745
CMYK	0.75, 0.43, 0.00, 0.67
HSL	215°, 60%, 20%
HSV	215°, 75%, 33%
XYZ	2.8871, 2.8170, 8.5752
YIQ	43.3300, -27.0520, 5.6840

Conversions

Conversions Part 2

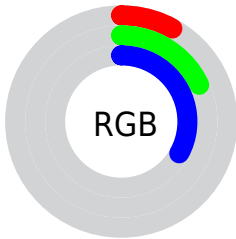
Format	Color
R_{YB}	21, 39, 83
Decimal	1388371
CIE Lab	19.30, 3.87, -24.87
CIE LCh	19, 25.173, 278.847
Yxy	2.8171, 0.2022, 0.1973
Android (android.graphics.Color)	4279578451 (0xFF152F53)
YUV	43.3300, 19.5573, -19.5834
Hunter-Lab	16.7839, 1.3331, -18.5435

Details

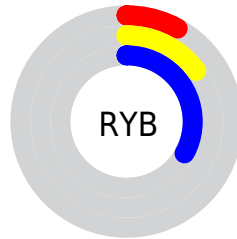
The HunterLab color **16.7839, 1.3331, -18.5435** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **21.9539, 3.5835, 11.6741**, and the grayscale version is **15.5956, -0.8321, 0.8473**.

A 20% lighter version of the original color is **33.0736, 0.9256, -19.3839**, and **4.2820, 7.9953, -22.6117** is the 20% darker color. If you saturate the color by 10%, you get **15.4164, 2.6321, -21.9279**, and if you desaturate by 10%, it is **18.2487, 0.3109, -15.3385**.

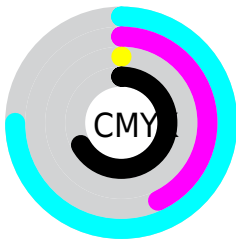
Distribution



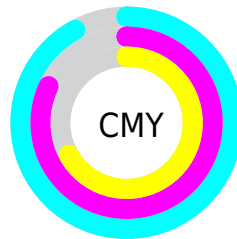
- Red (8%)
- Green (18%)
- Blue (33%)



- Red (8%)
- Yellow (15%)
- Blue (33%)



- Cyan (75%)
- Magenta (43%)
- Yellow (0%)
- Black (67%)



- Cyan (92%)
- Magenta (82%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 16.7839, 1.3331, -18.5435 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 HunterLab color 16.7839, 1.3331, -18.5435 by changing the saturation by 10% instead.

■ 16.7839, 1.3331,
-18.5435

■ 16.7839, 1.3331,
-18.5435

■ 112.2583, -1.8703,
-21.9152

■ 10.1833, 1.3627,
-18.3277

■ 32.9119, 1.0077,
-19.5543

0.0000, INF, -NF

0.0000, NaN, -NF

■ 42.2320, 0.7421,
-20.0590

0.0000, NaN, NaN

■ 52.2962, 0.4201,
-20.5145

0.0000, NaN, NaN

■ 63.0530, 0.0476,
-20.9122

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 74.4603, -0.3710,
-21.2499

0.0000, NaN, NaN

■ 86.4829, -0.8321,

0.0000, NaN, NaN

-21.5283

99.0909, -1.3326,
-21.7493

16.7839, 1.3331,
-18.5435

16.7839, 1.3331,
-18.5435

15.4164, 2.6321,
-21.9279

18.2487, 0.3109,
-15.3385

14.1375, 4.1645,
-25.5363

19.7987, -0.4643,
-12.3154

13.4726, 4.9963,
-27.6252

21.4240, -1.0231,
-9.4644

23.1162, -1.3946,
-6.7704

24.8678, -1.6050,
-4.2163

■ 26.6727, -1.6765,
-1.7850

■ 28.5258, -1.6285,
0.5395

■ 30.4226, -1.4768,
2.7715

■ 32.3595, -1.2351,
4.9238

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.7842, -5.6986, -17.0866



16.7839, 1.3331, -18.5435



16.7842, 8.9217, -13.2947

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.7842, 1.3333, -18.5431



16.7842, 11.5917, 7.3487



16.7842, -12.1495, 5.0775

Complementary

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



16.7839, 1.3331, -18.5435



21.9539, 3.5835, 11.6741

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.7842, -8.8743, 8.3744



16.7839, 1.3331, -18.5435



16.7842, 4.5148, 9.3306

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.7842, 1.3333, -18.5431



16.7842, 15.4783, 2.8529



16.7842, -3.0156, 9.6755



16.7842, -12.7043, -1.2888

Rectangle

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



16.7839, 1.3331, -18.5435



16.7842, 12.9939, -7.6371



16.7842, -3.0156, 9.6755



16.7842, -11.3611, 6.4873

Sweetspot

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



16.7842, 1.3333, -18.5431



32.9083, -2.1262, -4.8702



25.7544, -16.5168, 6.9275



16.1811, -1.0451, -2.6335



67.9972, -3.6282, 3.6944



19.0543, -1.0167, 1.0353

Same Dimension

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



16.7842, 1.3333, -18.5431



18.7397, 5.1424, -32.4591



11.7022, 13.5953, -34.0141



14.0028, -0.8373, -0.1914



16.7338, 7.2129, -36.4863



37.9933, 22.1927, -95.3960

Inverse Universe

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



16.0646, 20.2063, 0.3269



18.9866, 30.6295, 2.4087



28.1021, -8.2597, 15.6746



13.8414, 0.4896, 0.5257



17.7672, 31.4436, 3.5991



42.4652, 74.7687, 11.5815

Previews

White Background



This preview shows how the HunterLab color 16.7839, 1.3331, -18.5435 looks on a white background.

Color Contrast Check

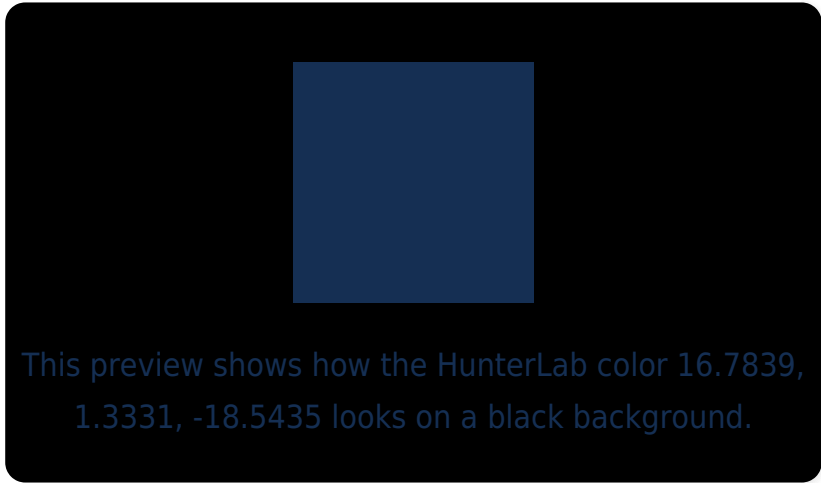
Large Text (above 18pt) WCAG AA ✓ Pass

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

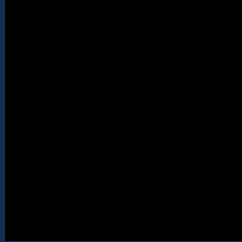
Any Text WCAG AA × Fail

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](#).

HunterLab 16.7839, 1.3331, -18.5435 Background



This preview shows how black text looks on a background with the HunterLab color 16.7839, 1.3331, -18.5435.



This preview shows how white text looks on a background with the HunterLab color 16.7839, 1.3331, -18.5435.

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

16.7839, 1.3331, -18.5435

Protanopia

16.8952, 2.8160, -17.5532

Deuteranopia

16.8523, 0.3281, -18.4017



Tritanopia

16.5575, -8.0418, -3.3355

Trichromacy



Original Color

16.7839, 1.3331, -18.5435

Protanomaly

16.7218, 2.2482, -17.9605

Deuteranomaly

16.9045, 0.5055, -18.2776

Tritanomaly

16.5111, -4.8499, -8.4193

Monochromacy



Original Color

16.7839, 1.3331, -18.5435

Achromatopsia

15.5427, -0.8293, 0.8445

Achromatomaly

15.6977, -0.6632, -5.4580

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 16.7839, 1.3331, -18.5435 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(21, 47, 83)` looks like.

```
.text, #text, p{  
    color:rgb(21, 47, 83)  
}
```

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(21, 47, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 47, 83) }
```

Border

The CSS property to change the border of an element to HunterLab 16.7839, 1.3331, -18.5435 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(21, 47, 83) }
```


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

```
.border{ border-color:rgb(21, 47, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 47, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 47, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 47, 83);  
box-shadow:4px 4px 4px 4px rgb(21, 47, 83)  
}
```

Background

The CSS property to change the background color of an element to HunterLab 16.7839, 1.3331, -18.5435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 47, 83) }
```

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

```
.background{ background-color: rgb(21, 47,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor