

# Converting Colors

HunterLab(18.1066, -8.9829,  
8.7153)

Have a look what the booklet for  
HunterLab(18.1066, -8.9829, 8.7153)  
contains.

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# Color

**HunterLab(18.0992, -8.8671,  
8.6733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	253815
RGB	37, 56, 21
RGB Percent	15%, 22%, 8%
CMY	0.8549, 0.7804, 0.9176
CMYK	0.34, 0.00, 0.62, 0.78
HSL	93°, 45%, 15%
HSV	93°, 62%, 22%
XYZ	2.3125, 3.2758, 1.2199
YIQ	46.3290, -0.0890, -14.9130

# Conversions

## Conversions Part 2

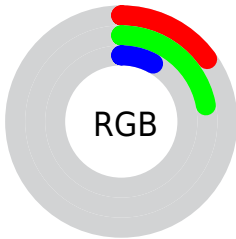
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	21, 56, 40
Decimal	2439189
CIE <sub>Lab</sub>	21.12, -15.10, 19.24
CIE <sub>LCh</sub>	21, 24.460, 128.127
Yxy	3.2760, 0.3397, 0.4812
Android (android.graphics.Color)	4280629269 (0xFF253815)
YUV	46.3290, -12.4872, -8.1815
Hunter-Lab	18.0992, -8.8671, 8.6733

# Details

The HunterLab color **18.0992, -8.8671, 8.6733** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **11.2830, 9.6358, -12.5399**, and the grayscale version is **16.6782, -0.8899, 0.9062**.

A 20% lighter version of the original color is **34.5270, -11.9721, 12.4780**, and **4.1673, -3.5735, 2.5053** is the 20% darker color. If you saturate the color by 10%, you get **17.8984, -9.7635, 9.3108**, and if you desaturate by 10%, it is **18.3241, -7.8684, 7.8761**.

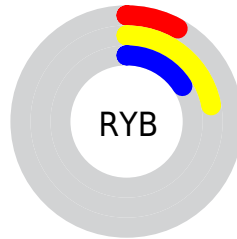
# Distribution



Red (15%)

Green (22%)

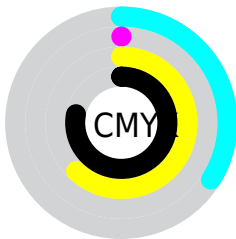
Blue (8%)



Red (8%)

Yellow (22%)

Blue (16%)

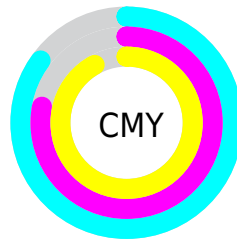


Cyan (34%)

Magenta (0%)

Yellow (62%)

Black (78%)



Cyan (85%)

Magenta (78%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 18.0992, -8.8671, 8.6733 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 18.0992, -8.8671, 8.6733 by changing the saturation by 10% instead.



■ 18.0992, -8.8671,  
8.6733

■ 18.0992, -8.8671,  
8.6733

■ 114.7143,  
-21.7801, 24.0866

■ 11.3024, -7.1276,  
7.9117

■ 34.5509, -11.9844,  
12.5668

■ 3.5162, -6.1534,  
2.4613

■ 44.0109, -13.4442,  
14.3424

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 54.2046, -14.8685,  
16.0499

0.0000, NaN, NaN

■ 65.0828, -16.2697,  
17.7093


0.0000, NaN, NaN


■ 76.6046, -17.6562,  
19.3342


0.0000, NaN, NaN


0.0000, NaN, NaN


■ 88.7359, -19.0340,


 101.4476,  
-20.4075, 22.5165


 18.0992, -8.8671,  
8.6733


 18.0992, -8.8671,  
8.6733


 17.8984, -9.7635,  
9.3108


 18.3241, -7.8684,  
7.8761


 17.7201, -10.5554,  
9.7926


 18.5720, -6.7685,  
6.9171

 17.5581, -11.2801,  
10.2144

 18.8436, -5.5710,  
5.7968

 17.4438, -11.7997,  
10.5422

 19.1386, -4.2802,  
4.5176

 19.4568, -2.9011,  
3.0833

■ 19.7979, -1.4388,  
1.4991

■ 20.1616, 0.1008,  
-0.2289

■ 20.5472, 1.7120,  
-2.0938

■ 20.9542, 3.3891,  
-4.0884

# Harmonies

## Analogous

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



18.0996, -2.9151, 9.8770



18.0992, -8.8671, 8.6733



18.0996, -12.2704, 5.2997

# Triad

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



18.0996, -8.8675, 8.6734



18.0996, -5.9207, -16.3800



18.0996, 15.1930, 2.7788

# Complementary

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



18.0992, -8.8671, 8.6733



11.2830, 9.6358, -12.5399

# 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.



18.0996, 14.0459, -4.7508



18.0992, -8.8671, 8.6733



18.0996, 1.0677, -17.9300

# Square

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



18.0996, -8.8675, 8.6734



18.0996, -10.7671, -9.3925



18.0996, 8.5757, -13.0409



18.0996, 11.4986, 7.4588



# Rectangle

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



18.0992, -8.8671, 8.6733



18.0996, -13.0021, 1.4177



18.0996, 8.5757, -13.0409



18.0996, 15.3707, 0.5418

# Sweetspot

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



18.0996, -8.8675, 8.6734



25.2696, -5.1806, 5.4827



15.4604, 1.9698, 6.8401



13.5072, -2.8762, 3.0406



61.6487, -3.2894, 3.3495



14.0024, -0.7471, 0.7608



# Same Dimension

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



18.0996, -8.8675, 8.6734



23.3840, -13.5141, 12.6680



17.4542, -11.4212, 7.9479



10.6337, -1.2492, 1.3250



28.4801, -19.9867, 17.1994



73.1731, -53.1809, 44.1579



# Inverse Universe

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



11.2830, 9.6358, -12.5399



12.5910, 16.3273, -22.4212



12.8508, 13.4145, -8.4270



10.0981, 0.1634, -0.2435



12.0133, 26.9759, -41.8711

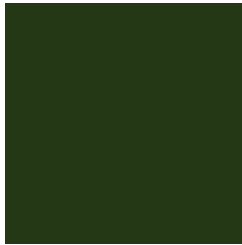


30.0934, 68.5832, -112.7030



# Previews

## White Background



This preview shows how the HunterLab color 18.0992, -8.8671, 8.6733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

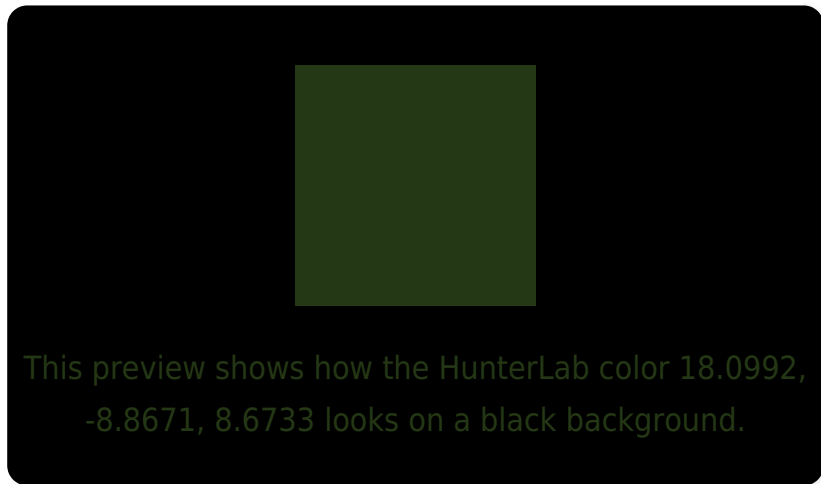
Any Text WCAG AA ✓ Pass

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

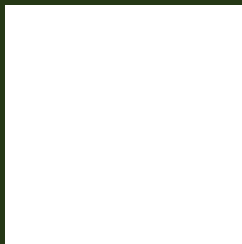
Any Text WCAG AAA × Fail

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

## HunterLab 18.0992, -8.8671, 8.6733 Background



This preview shows how black text looks on a background with the HunterLab color 18.0992, -8.8671, 8.6733.



This preview shows how white text looks on a background with the HunterLab color 18.0992, -8.8671,



# 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

18.0992, -8.8671, 8.6733

### Protanopia

18.1329, -2.2258, 8.9704

### Deuteranopia

17.9792, 0.9170, 8.4216



**Tritanopia**

18.0101, -2.5638, -1.6903

# Trichromacy



## Original Color

18.0992, -8.8671, 8.6733

## Protanomaly

18.0965, -4.8909, 8.8970

## Deuteranomaly

17.9161, -2.9585, 8.4760

## Tritanomaly

17.8302, -5.1461, 2.9732

# Monochromacy



## Original Color

18.0992, -8.8671, 8.6733

## Achromatopsia

16.5290, -0.8819, 0.8981

## Achromatomaly

17.1125, -4.1740, 4.4074

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 18.0992, -8.8671, 8.6733 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, 56, 21)` looks like.

```
.text, #text, p{  
  color:rgb(37, 56, 21)  
}
```

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, 56, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 56, 21) }
```

## Border

The CSS property to change the border of an element to HunterLab 18.0992, -8.8671, 8.6733 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, 56, 21) }
```



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

```
.border{ border-color:rgb(37, 56, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 56, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 56, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 56, 21);  
box-shadow:4px 4px 4px 4px rgb(37, 56, 21)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 18.0992, -8.8671, 8.6733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 56, 21) }
```

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

```
.background{ background-color: rgb(37, 56,  
21) }
```

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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