

# Converting Colors

HunterLab(21.7789, -12.1780,  
7.3705)

Have a look what the booklet for  
HunterLab(21.7789, -12.1780,  
7.3705) contains.

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# Color

**HunterLab(21.7870,  
-12.1291, 7.2516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21452A
RGB	33, 69, 42
RGB Percent	13%, 27%, 16%
CMY	0.8706, 0.7294, 0.8353
CMYK	0.52, 0.00, 0.39, 0.73
HSL	135°, 35%, 20%
HSV	135°, 52%, 27%
XYZ	3.1732, 4.7467, 2.9395
YIQ	55.1580, -12.7890, -16.0290

# Conversions

## Conversions Part 2

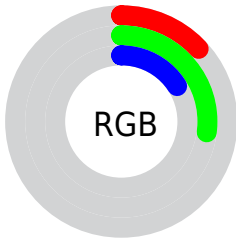
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 62, 69
Decimal	2180394
CIE <sub>Lab</sub>	26.00, -20.04, 12.42
CIE <sub>LCh</sub>	26, 23.574, 148.213
Yxy	4.7469, 0.2922, 0.4371
Android (android.graphics.Color)	4280370474 (0xFF21452A)
YUV	55.1580, -6.4869, -19.4326
Hunter-Lab	21.7870, -12.1291, 7.2516

# Details

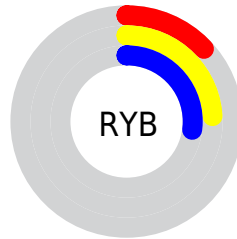
The HunterLab color **21.7870, -12.1291, 7.2516** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **16.3684, 12.9459, -5.1725**, and the grayscale version is **19.6245, -1.0471, 1.0662**.

A 20% lighter version of the original color is **39.2007, -16.0167, 9.9109**, and **8.8536, -7.5920, 5.3226** is the 20% darker color. If you saturate the color by 10%, you get **21.4705, -13.5636, 8.1988**, and if you desaturate by 10%, it is **22.1635, -10.4685, 6.2296**.

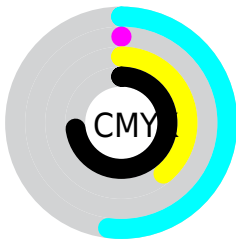
# Distribution



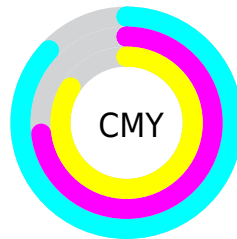
- Red (13%)
- Green (27%)
- Blue (16%)



- Red (13%)
- Yellow (24%)
- Blue (27%)



- Cyan (52%)
- Magenta (0%)
- Yellow (39%)
- Black (73%)



- Cyan (87%)
- Magenta (73%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 21.7870, -12.1291, 7.2516 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 21.7870, -12.1291, 7.2516 by changing the saturation by 10% instead.



■ 21.7870, -12.1291,  
7.2516

■ 21.7870, -12.1291,  
7.2516

■ 121.3892,  
-27.4857, 18.7477

■ 14.4898, -10.0067,  
5.7897

■ 39.0763, -15.9098,  
9.9366

■ 8.1509, -11.1479,  
5.7056

■ 48.9016, -17.6672,  
11.2195

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 59.4352, -19.3709,  
12.4834

0.0000, NaN, NaN

■ 70.6323, -21.0360,  
13.7372

0.0000, NaN, NaN

■ 82.4558, -22.6733,  
14.9867

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 94.8740, -24.2903,

107.8598,  
-25.8930, 17.4893

21.7870, -12.1291,  
7.2516

21.7870, -12.1291,  
7.2516

21.4705, -13.5636,  
8.1988

22.1635, -10.4685,  
6.2296

21.2115, -14.7636,  
9.0615

22.5990, -8.5929,  
5.1423

21.0083, -15.7279,  
9.8324

23.0935, -6.5184,  
4.0004

20.8483, -16.5016,  
10.4983

23.6462, -4.2631,  
2.8143

20.7308, -17.0662,  
10.9292

24.2556, -1.8466,  
1.5943

■ 24.9198, 0.7116,  
0.3496

■ 25.6367, 3.3920,  
-0.9112

■ 26.4040, 6.1767,  
-2.1810

■ 27.2193, 9.0489,  
-3.4534

# Harmonies

## Analogous

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



21.7875, -7.5787, 10.1500



21.7870, -12.1291, 7.2516



21.7875, -13.7996, 1.6099

# Triad

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



21.7875, -12.1294, 7.2518



21.7875, -1.6120, -17.4955



21.7875, 13.0766, 6.7317

# Complementary

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



21.7870, -12.1291, 7.2516



16.3684, 12.9459, -5.1725

# 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.



21.7875, 15.2292, 0.7533



21.7870, -12.1291, 7.2516



21.7875, 6.0918, -14.7227

# Square

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



21.7875, -12.1294, 7.2518



21.7875, -8.2602, -14.0191



21.7875, 12.5192, -7.3614



21.7875, 6.9763, 9.9291



# Rectangle

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



21.7870, -12.1291, 7.2516



21.7875, -13.2535, -3.5591



21.7875, 12.5192, -7.3614



21.7875, 14.3193, 5.0573

# Sweetspot

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



21.7875, -12.1294, 7.2518



30.3956, -6.8747, 4.3509



23.0801, -7.3951, 10.3961



15.7851, -3.7109, 2.3343



64.8100, -3.4581, 3.5212



16.4960, -0.8802, 0.8963



# Same Dimension

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



21.7875, -12.1294, 7.2518



27.7777, -18.1785, 11.0400



22.1495, -9.9830, 2.0300



12.8948, -1.8520, 1.2899



30.1310, -25.0127, 16.3341



74.2991, -62.3046, 41.6302



# Inverse Universe

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



16.3684, 12.9459, -5.1725



19.3283, 21.2626, -8.2432



15.8750, 10.6300, 1.7870



12.3691, 0.5444, 0.0809



17.8337, 33.3576, -10.3117

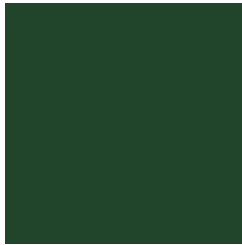


43.8555, 81.7396, -23.1013



# Previews

## White Background



This preview shows how the HunterLab color 21.7870, -12.1291, 7.2516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

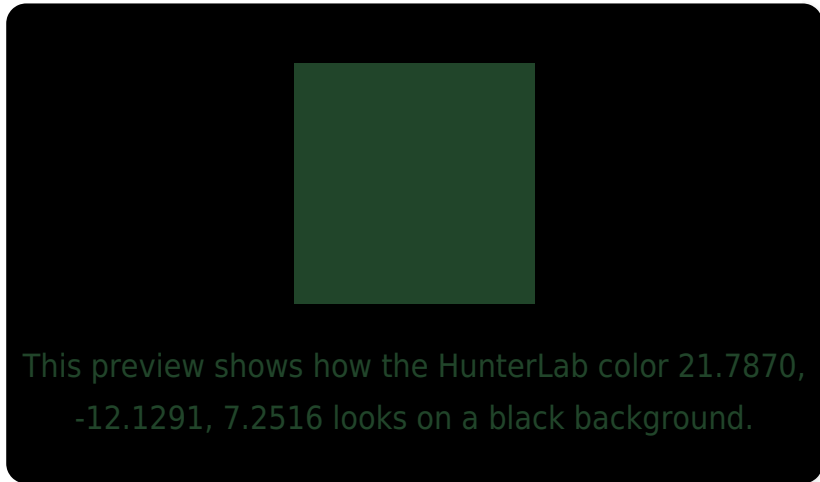
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

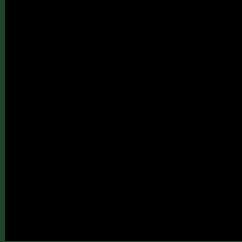
Any Text WCAG AA × Fail

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 21.7870, -12.1291, 7.2516 Background



This preview shows how black text looks on a background with the HunterLab color 21.7870, -12.1291, 7.2516.



This preview shows how white text looks on a background with the HunterLab color 21.7870,

-12.1291, 7.2516.

# 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

21.7870, -12.1291, 7.2516

### Protanopia

21.6270, -1.9467, 8.0302

### Deuteranopia

21.7399, 1.0893, 6.9165



## Tritanopia

21.9146, -6.0902, -2.7311

# Trichromacy



## Original Color

21.7870, -12.1291, 7.2516

## Protanomaly

21.5226, -6.2156, 7.6231

## Deuteranomaly

21.5150, -4.8098, 6.8750

## Tritanomaly

21.7575, -8.6580, 1.6058

# Monochromacy



## Original Color

21.7870, -12.1291, 7.2516

## Achromatopsia

19.5459, -1.0429, 1.0620

## Achromatomaly

20.1652, -5.5124, 3.4568

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 21.7870, -12.1291, 7.2516 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(33, 69, 42)` looks like.

```
.text, #text, p{  
    color:rgb(33, 69, 42)  
}
```

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(33, 69, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 69, 42) }
```

## Border

The CSS property to change the border of an element to HunterLab 21.7870, -12.1291, 7.2516 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(33, 69, 42) }
```



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

```
.border{ border-color:rgb(33, 69, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 69, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 69, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 69, 42);  
box-shadow:4px 4px 4px 4px rgb(33, 69, 42)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 21.7870, -12.1291, 7.2516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 69, 42) }
```

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

```
.background{ background-color: rgb(33, 69,  
42) }
```

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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