

# Converting Colors

HunterLab(21.8960, -23.8641,  
12.9612)

Have a look what the booklet for  
HunterLab(21.8960, -23.8641,  
12.9612) contains.

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# Color

**HunterLab(22.7400,  
-19.4651, 13.5966)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	004C01
RGB	0, 76, 1
RGB Percent	0%, 30%, 0%
CMY	1.0000, 0.7020, 0.9961
CMYK	1.00, 0.00, 0.99, 0.70
HSL	121°, 100%, 15%
HSV	121°, 100%, 30%
XYZ	2.5899, 5.1711, 0.8903
YIQ	44.7260, -21.2210, -39.4370

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 75, 76</a>
Decimal	<a href="#">19457</a>
CIELab	<a href="#">27.22, -35.82, 34.19</a>
CIELCh	<a href="#">27, 49.517, 136.334</a>
Yxy	<a href="#">5.1713, 0.2994, 0.5977</a>
Android (android.graphics.Color)	<a href="#">4278209537 (0xFF004C01)</a>
YUV	<a href="#">44.7260, -21.5569, -39.2247</a>
Hunter-Lab	<a href="#">22.7400, -19.4651, 13.5966</a>

# Details

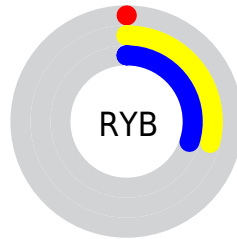
The HunterLab color  $[22.7400, -19.4651, 13.5966]$  is a dark color, and the websafe version is hex  $336600$ . A complement of this color would be  $[14.2988, 28.0394, -18.2989]$ , and the grayscale version is  $[16.1831, -0.8635, 0.8793]$ .

A 20% lighter version of the original color is  $[40.2709, -25.6694, 19.7543]$ , and  $[10.4293, -8.9432, 6.2700]$  is the 20% darker color. If you saturate the color by 10%, you get  $[22.7405, -19.4654, 13.5967]$ , and if you desaturate by 10%, it is  $[22.8840, -18.7815, 13.1396]$ .

# Distribution



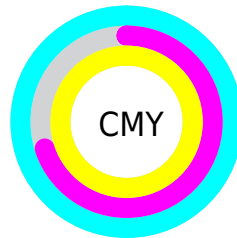
- Red (0%)
- Green (30%)
- Blue (0%)



- Red (0%)
- Yellow (29%)
- Blue (30%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (70%)



- Cyan (100%)
- Magenta (70%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 22.7400, -19.4651, 13.5966 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 22.7400, -19.4651, 13.5966 by changing the saturation by 10% instead.



■ 22.7400, -19.4651,  
13.5966

■ 22.7400, -19.4651,  
13.5966

■ 123.0705,  
-43.2616, 37.1595

■ 15.3236, -15.8561,  
10.7265

■ 40.2316, -25.6831,  
19.7658

■ 8.9387, -15.6427,  
6.2571

■ 50.1457, -28.4833,  
22.5519

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 60.7622, -31.1475,  
25.1979

0.0000, NaN, NaN

■ 72.0374, -33.7067,  
27.7342

0.0000, NaN, NaN

■ 83.9347, -36.1832,  
30.1833

0.0000, NaN, NaN


0.0000, NaN, NaN


■ 96.4233, -38.5934,


32.5623


0.0000, NaN, NaN


 109.4764,  
-40.9496, 34.8843


 22.7400, -19.4651,  
13.5966


 22.7400, -19.4651,  
13.5966


 22.7405, -19.4654,  
13.5967

 22.8840, -18.7815,  
13.1396

 23.0429, -18.0280,  
12.6217

 23.2654, -16.9833,  
11.9050

 23.5587, -15.6249,  
10.9803

 23.9257, -13.9529,  
9.8484

■ 24.3680, -11.9766,  
8.5161

■ 24.8860, -9.7127,  
6.9950

■ 25.4791, -7.1835,  
5.3002

■ 26.1458, -4.4148,  
3.4492

# Harmonies

## Analogous

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



22.7405, -9.2365, 15.9183



22.7400, -19.4651, 13.5966



22.7405, -24.0535, 7.1239

# Triad

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



22.7405, -19.4654, 13.5967



22.7405, -8.0369, -49.5185



22.7405, 36.4828, 8.0264

# Complementary

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



22.7400, -19.4651, 13.5966



14.2988, 28.0394, -18.2989

# 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.



22.7405, 37.0683, -6.8198



22.7400, -19.4651, 13.5966



22.7405, 8.1010, -48.5681

# Square

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



22.7405, -19.4654, 13.5967



22.7405, -18.7975, -31.7422



22.7405, 25.5954, -29.6610



22.7405, 24.1663, 13.8938



# Rectangle

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



22.7400, -19.4651, 13.5966



22.7405, -24.4264, -2.2335



22.7405, 25.5954, -29.6610



22.7405, 38.1552, 4.2357

# Sweetspot

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



22.7405, -19.4654, 13.5967



32.7709, -13.1830, 9.4766



25.8953, -6.9553, 15.8348



16.7159, -7.1226, 5.1027



66.9319, -3.5713, 3.6365



18.1947, -0.9708, 0.9886



# Same Dimension

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



22.7405, -19.4654, 13.5967



30.0201, -25.7080, 17.9737



23.0414, -17.5896, 9.1713



13.6670, -2.0987, 1.6624



30.8313, -26.4037, 18.4615



75.0482, -64.3223, 45.0496



# Inverse Universe

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



14.2988, 28.0394, -18.2989



18.8746, 37.0091, -24.1268



12.9480, 23.2545, -0.0115



13.1399, 0.7226, -0.2411



19.3845, 38.0086, -24.7761

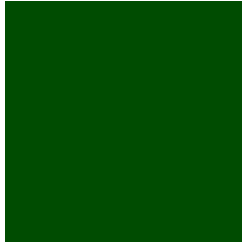


47.1776, 92.4867, -60.1612



# Previews

## White Background



This preview shows how the HunterLab color 22.7400, -19.4651, 13.5966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

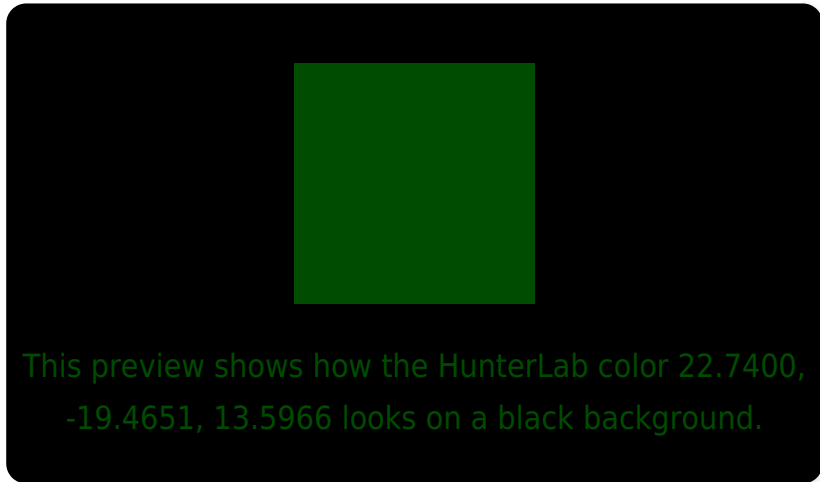
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

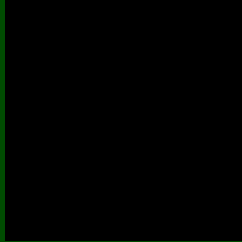
Any Text WCAG AA × Fail

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 22.7400, -19.4651, 13.5966 Background



This preview shows how black text looks on a background with the HunterLab color 22.7400, -19.4651, 13.5966.



This preview shows how white text looks on a background with the HunterLab color 22.7400,

-19.4651, 13.5966.

# 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

22.7400, -19.4651, 13.5966

### Protanopia

22.7971, -3.5799, 13.9848

### Deuteranopia

22.9773, 0.9900, 12.8074



## Tritanopia

23.0984, -8.3254, -3.4634

# Trichromacy



## Original Color

22.7400, -19.4651, 13.5966

## Protanomaly

21.9934, -12.0719, 13.3409

## Deuteranomaly

21.8370, -9.7379, 12.4257

## Tritanomaly

22.6618, -14.2525, 6.1123

# Monochromacy



## Original Color

22.7400, -19.4651, 13.5966

## Achromatopsia

16.1991, -0.8643, 0.8801

## Achromatomaly

17.8277, -9.7453, 6.9489

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 22.7400, -19.4651, 13.5966 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(0, 76, 1)` looks like.

```
.text, #text, p{  
    color:rgb(0, 76, 1)  
}
```

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(0, 76, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 76, 1) }
```

## Border

The CSS property to change the border of an element to HunterLab 22.7400, -19.4651, 13.5966 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(0, 76, 1) }
```



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

```
.border{ border-color:rgb(0, 76, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 76, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 76, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 76, 1); box-shadow:4px  
4px 4px 4px rgb(0, 76, 1) }
```

# Background

The CSS property to change the background color of an element to HunterLab 22.7400, -19.4651, 13.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 76, 1) }
```

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

```
.background{ background-color: rgb(0, 76,  
1) }
```

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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