

# Converting Colors

HunterLab(20.2501, -20.6679,  
14.1751)

Have a look what the booklet for  
HunterLab(20.2501, -20.6679,  
14.1751) contains.

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# Color

**HunterLab(20.9292,  
-17.9468, 12.5823)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	004600
RGB	0, 70, 0
RGB Percent	0%, 27%, 0%
CMY	1.0000, 0.7255, 1.0000
CMYK	1.00, 0.00, 1.00, 0.73
HSL	120°, 100%, 14%
HSV	120°, 100%, 27%
XYZ	2.1902, 4.3803, 0.7300
YIQ	41.0900, -19.2500, -36.6100

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 70, 70
Decimal	17920
CIELab	24.89, -33.97, 32.47
CIELCh	25, 46.996, 136.293
Yxy	4.3805, 0.3000, 0.6000
Android (android.graphics.Color)	4278208000 (0xFF004600)
YUV	41.0900, -20.2574, -36.0359
Hunter-Lab	20.9292, -17.9468, 12.5823

# Details

The HunterLab color  $[20.9292, -17.9468, 12.5823]$  is a dark color, and the websafe version is hex  $003300$ . A complement of this color would be  $[13.2073, 25.9658, -17.4184]$ , and the grayscale version is  $[14.9887, -0.7998, 0.8144]$ .

A 20% lighter version of the original color is  $[37.9158, -23.9133, 18.4011]$ , and  $[8.5953, -7.3705, 5.1673]$  is the 20% darker color. If you saturate the color by 10%, you get  $[20.9296, -17.9471, 12.5824]$ , and if you desaturate by 10%, it is  $[21.0737, -17.2599, 12.1176]$ .

# Distribution



- Red (0%)
- Green (27%)
- Blue (0%)



- Red (0%)
- Yellow (27%)
- Blue (27%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (73%)



- Cyan (100%)
- Magenta (73%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 20.9292, -17.9468, 12.5823 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 20.9292, -17.9468, 12.5823 by changing the saturation by 10% instead.



■ 20.9292, -17.9468,  
12.5823

■ 20.9292, -17.9468,  
12.5823

■ 119.8616,  
-40.9694, 35.3510

■ 13.7426, -14.4691,  
9.6199

■ 38.0318, -23.9836,  
18.5324

■ 7.3588, -12.8778,  
5.1511

■ 47.7753, -26.6921,  
21.2301

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 58.2327, -29.2665,  
23.7891

0.0000, NaN, NaN

■ 69.3582, -31.7384,  
26.2405

0.0000, NaN, NaN

■ 81.1138, -34.1301,  
28.6072


0.0000, NaN, NaN


0.0000, NaN, NaN


■ 93.4674, -36.4581,


30.9063


0.0000, NaN, NaN


 106.3914,  
-38.7347, 33.1508


 20.9292, -17.9468,  
12.5823


 20.9292, -17.9468,  
12.5823


 20.9296, -17.9471,  
12.5824

 21.0737, -17.2599,  
12.1176

 21.2263, -16.5378,  
11.6293

 21.4338, -15.5659,  
10.9721

 21.7054, -14.3100,  
10.1230

 22.0436, -12.7708,  
9.0823

■ 22.4498, -10.9569,  
7.8561

■ 22.9243, -8.8834,  
6.4547

■ 23.4666, -6.5705,  
4.8916

■ 24.0753, -4.0413,  
3.1827

# Harmonies

## Analogous

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



20.9296, -8.5053, 14.6507



20.9292, -17.9468, 12.5823



20.9296, -22.1816, 6.5837

# Triad

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



20.9296, -17.9471, 12.5824



20.9296, -7.4320, -45.7799



20.9296, 33.7175, 7.3903

# Complementary

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



20.9292, -17.9468, 12.5823



13.2073, 25.9658, -17.4184

# 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.



20.9296, 34.2421, -6.3278



20.9292, -17.9468, 12.5823



20.9296, 7.4617, -44.9272

# Square

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



20.9296, -17.9471, 12.5824



20.9296, -17.3502, -29.3161



20.9296, 23.6264, -27.4498



20.9296, 22.3461, 12.8794



# Rectangle

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



20.9292, -17.9468, 12.5823



20.9296, -22.5290, -2.0441



20.9296, 23.6264, -27.4498



20.9296, 35.2579, 3.8898

# Sweetspot

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



20.9296, -17.9471, 12.5824



30.1522, -12.0725, 8.7538



23.8383, -6.4028, 14.5769



15.1773, -6.3673, 4.6038



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.



20.9296, -17.9471, 12.5824



27.6038, -23.6702, 16.5948



21.2176, -16.1522, 8.3479



12.8757, -1.9587, 1.5644



30.0153, -25.7381, 18.0445



74.1018, -63.5423, 44.5486



# Inverse Universe

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



13.2073, 25.9658, -17.4184



17.4189, 34.2460, -22.9728



11.9310, 21.4494, -0.1748



12.3906, 0.6604, -0.2255



18.9407, 37.2378, -24.9798

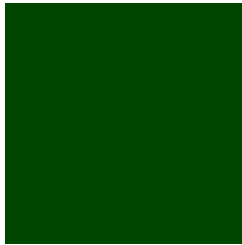


46.7607, 91.9325, -61.6697



# Previews

## White Background



This preview shows how the HunterLab color 20.9292, -17.9468, 12.5823 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

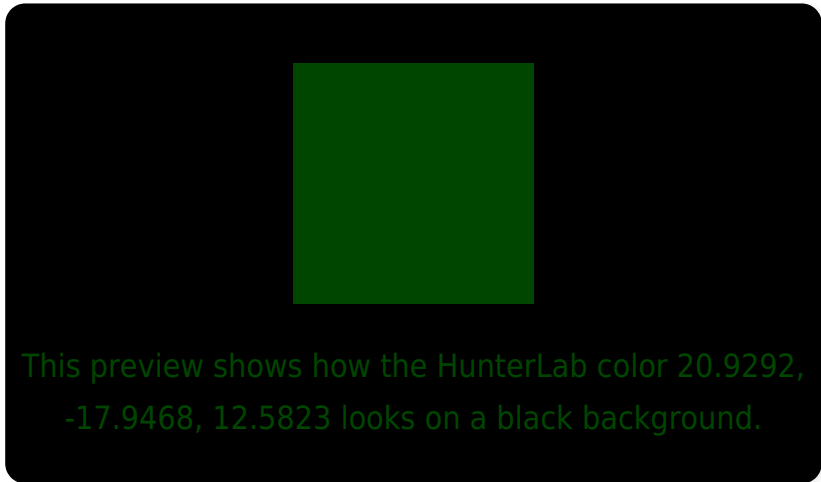
Any Text WCAG AA ✓ Pass

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 20.9292, -17.9468, 12.5823 Background



This preview shows how black text looks on a background with the HunterLab color 20.9292, -17.9468, 12.5823.



This preview shows how white text looks on a background with the HunterLab color 20.9292,

-17.9468, 12.5823.

# 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

20.9292, -17.9468, 12.5823

### Protanopia

21.0357, -3.4591, 12.9015

### Deuteranopia

21.1107, 0.6915, 11.7511



## Tritanopia

21.1755, -7.5326, -3.3075

# Trichromacy



## Original Color

20.9292, -17.9468, 12.5823

## Protanomaly

20.4460, -11.0767, 12.4048

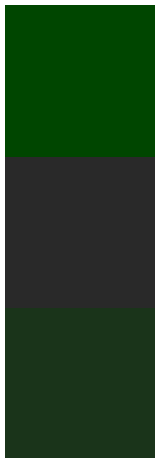
## Deuteranomaly

20.2374, -8.9870, 11.4716

## Tritanomaly

20.8143, -13.0109, 5.5261

# Monochromacy



## Original Color

20.9292, -17.9468, 12.5823

## Achromatopsia

14.8909, -0.7945, 0.8091

## Achromatomaly

16.5837, -9.2115, 6.5635

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 20.9292, -17.9468, 12.5823 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, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 70, 0)  
}
```

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, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 70, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 20.9292, -17.9468, 12.5823 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, 70, 0) }
```



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

```
.border{ border-color:rgb(0, 70, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 70, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 70, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 70, 0); box-shadow:4px  
4px 4px 4px rgb(0, 70, 0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 20.9292, -17.9468, 12.5823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 70, 0) }
```

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

```
.background{ background-color: rgb(0, 70,  
0) }
```

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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