

# Converting Colors

HunterLab(31.6083, -23.6737,  
17.1696)

Have a look what the booklet for  
HunterLab(31.6083, -23.6737,  
17.1696) contains.

<b>HunterLab(31.4467, -23.5576, 17.0099)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(31.4467,  
-23.5576, 17.0099)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	20661B
RGB	32, 102, 27
RGB Percent	13%, 40%, 11%
CMY	0.8745, 0.6000, 0.8941
CMYK	0.69, 0.00, 0.74, 0.60
HSL	116°, 58%, 25%
HSV	116°, 74%, 40%
XYZ	5.5449, 9.8889, 2.6534
YIQ	72.5200, -17.6450, -38.1650

# Conversions

## Conversions Part 2

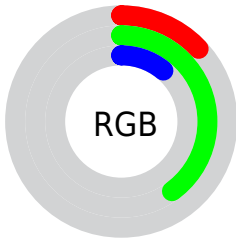
<b>Format</b>	<b>Color</b>
<b>RYB</b>	27, 102, 97
Decimal	2123291
CIELab	37.64, -37.30, 34.50
CIELCh	38, 50.809, 137.230
Yxy	9.8894, 0.3066, 0.5467
Android (android.graphics.Color)	4280313371 (0xFF20661B)
YUV	72.5200, -22.4414, -35.5360
Hunter-Lab	31.4467, -23.5576, 17.0099

# Details

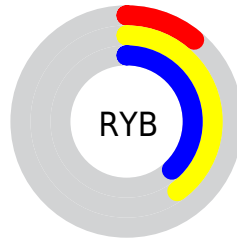
The HunterLab color **31.4467, -23.5576, 17.0099** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **20.7002, 30.3505, -22.7193**, and the grayscale version is **25.7236, -1.3725, 1.3976**.

A 20% lighter version of the original color is **50.6413, -29.5607, 22.8940**, and **16.2429, -13.9283, 9.7650** is the 20% darker color. If you saturate the color by 10%, you get **31.1754, -24.8250, 17.7823**, and if you desaturate by 10%, it is **31.8122, -21.8702, 15.9264**.

# Distribution



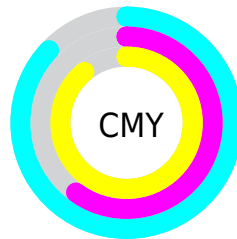
- Red (13%)
- Green (40%)
- Blue (11%)



- Red (11%)
- Yellow (40%)
- Blue (38%)



- Cyan (69%)
- Magenta (0%)
- Yellow (74%)
- Black (60%)



- Cyan (87%)
- Magenta (60%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 31.4467, -23.5576, 17.0099 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 31.4467, -23.5576, 17.0099 by changing the saturation by 10% instead.



■ 31.4467, -23.5576,  
17.0099

■ 31.4467, -23.5576,  
17.0099

137.7972,  
-47.1163, 39.7402

■ 23.0774, -20.2091,  
13.7906

■ 50.5838, -29.5384,  
22.7954

■ 15.6192, -16.4733,  
10.9334

■ 61.2292, -32.2907,  
25.4570

■ 9.1986, -16.0975,  
6.4390

■ 72.5315, -34.9324,  
28.0086

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 84.4547, -37.4867,  
30.4725

0.0000, NaN, NaN

■ 96.9679, -39.9707,  
32.8659

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 110.0444,

-42.3972, 35.2018

0.0000, NaN, NaN

123.6611,  
-44.7764, 37.4905

31.4467, -23.5576,  
17.0099

31.4467, -23.5576,  
17.0099

31.1754, -24.8250,  
17.7823

31.8122, -21.8702,  
15.9264

30.9885, -25.6989,  
18.2823

32.2746, -19.7563,  
14.5226

30.8982, -26.1304,  
18.5819

32.8372, -17.2242,  
12.8002

33.5011, -14.2929,  
10.7699

34.2658, -10.9895,  
8.4494

■ 35.1298, -7.3471,  
5.8614

■ 36.0905, -3.4019,  
3.0314

■ 37.1446, 0.8086,  
-0.0133

■ 38.2882, 5.2478,  
-3.2457

# Harmonies

## Analogous

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



31.4474, -11.4347, 19.8333



31.4467, -23.5576, 17.0099



31.4474, -29.1557, 8.2454

# Triad

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



31.4474, -23.5581, 17.0100



31.4474, -9.0823, -51.5237



31.4474, 39.4579, 10.0973

# Complementary

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



31.4467, -23.5576, 17.0099



20.7002, 30.3505, -22.7193

# 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.



31.4474, 40.4989, -6.6179



31.4467, -23.5576, 17.0099



31.4474, 9.4317, -49.9454

# Square

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



31.4474, -23.5581, 17.0100



31.4474, -22.1767, -34.0861



31.4474, 28.5288, -30.5375



31.4474, 25.9451, 17.6995



# Rectangle

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



31.4467, -23.5576, 17.0099



31.4474, -29.5183, -2.7971



31.4474, 28.5288, -30.5375



31.4474, 41.3718, 5.6384

# Sweetspot

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



31.4474, -23.5581, 17.0100



45.4747, -14.1384, 10.8962



33.8435, -6.7340, 18.9195



21.9939, -7.2653, 5.5738



73.3645, -3.9145, 3.9860



23.4461, -1.2510, 1.2739



# Same Dimension

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



31.4474, -23.5581, 17.0100



41.1014, -33.7314, 24.0338



31.7131, -21.6918, 11.2977



17.7498, -2.7779, 2.2892



35.0055, -29.6550, 21.0511



79.8527, -68.1151, 48.0124



# Inverse Universe

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



20.7002, 30.3505, -22.7193



25.2927, 46.2269, -35.2841



20.1117, 26.5912, -3.9818



16.9712, 1.0000, -0.4667



20.8909, 41.6737, -32.2165

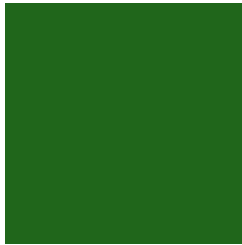


47.5521, 94.9473, -74.0223



# Previews

## White Background



This preview shows how the HunterLab color 31.4467, -23.5576, 17.0099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

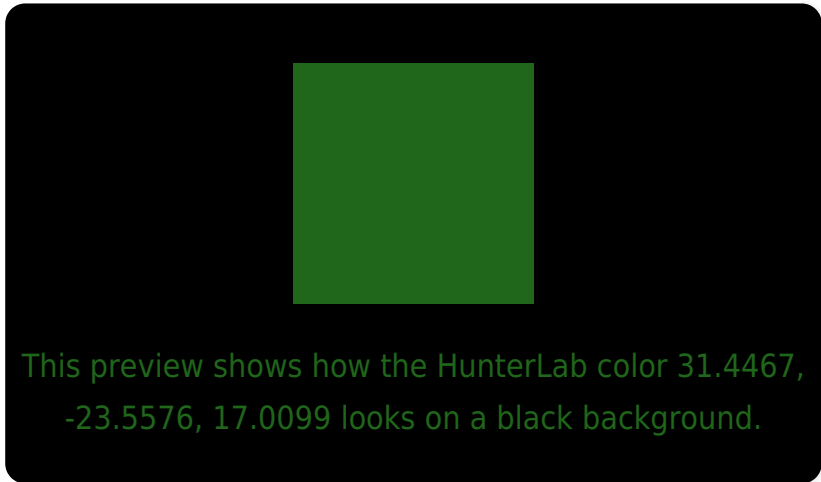
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

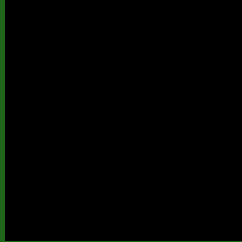
Any Text WCAG AA × Fail

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 31.4467, -23.5576, 17.0099 Background



This preview shows how black text looks on a background with the HunterLab color 31.4467, -23.5576, 17.0099.



This preview shows how white text looks on a background with the HunterLab color 31.4467,

-23.5576, 17.0099.

# 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

31.4467, -23.5576, 17.0099

### Protanopia

31.1417, -4.0565, 17.4731

### Deuteranopia

31.2588, 1.7698, 16.4220



## Tritanopia

31.4126, -10.0487, -5.0395

# Trichromacy



## Original Color

31.4467, -23.5576, 17.0099

## Protanomaly

30.6508, -12.9231, 16.8816

## Deuteranomaly

30.6185, -10.0449, 16.1809

## Tritanomaly

31.2711, -16.6147, 6.3573

# Monochromacy



## Original Color

31.4467, -23.5576, 17.0099

## Achromatopsia

25.8120, -1.3773, 1.4024

## Achromatomaly

27.4330, -11.3809, 8.6188

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 31.4467, -23.5576, 17.0099 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(32, 102, 27)` looks like.

```
.text, #text, p{  
    color:rgb(32, 102, 27)  
}
```

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(32, 102, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 102, 27) }
```

## Border

The CSS property to change the border of an element to HunterLab 31.4467, -23.5576, 17.0099 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(32, 102, 27) }
```



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

```
.border{ border-color:rgb(32, 102, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 102, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 102, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 102, 27);  
box-shadow:4px 4px 4px 4px rgb(32, 102,  
27) }
```

# Background

The CSS property to change the background color of an element to HunterLab 31.4467, -23.5576, 17.0099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 102, 27) }
```

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

```
.background{ background-color: rgb(32, 102,  
27) }
```

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