

# Converting Colors

HunterLab(51.0019, 4.0788,  
22.5597)

Have a look what the booklet for  
HunterLab(51.0019, 4.0788,  
22.5597) contains.

<b>HunterLab(51.0167, 4.0257, 22.4598)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**HunterLab(51.0167, 4.0257,  
22.4598)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB8551
RGB	171, 133, 81
RGB Percent	67%, 52%, 32%
CMY	0.3294, 0.4784, 0.6823
CMYK	0.00, 0.22, 0.53, 0.33
HSL	35°, 36%, 49%
HSV	35°, 53%, 67%
XYZ	26.6673, 26.0270, 11.4027
YIQ	138.4340, 39.3400, -8.1160

# Conversions

## Conversions Part 2

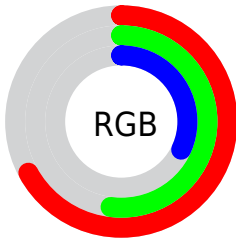
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 171, 81
Decimal	11240785
CIE <sub>Lab</sub>	58.06, 8.09, 33.42
CIE <sub>LCh</sub>	58, 34.389, 76.394
Yxy	26.0283, 0.4160, 0.4061
Android (android.graphics.Color)	4289430865 (0xFFAB8551)
YUV	138.4340, -28.3150, 28.5604
Hunter-Lab	51.0167, 4.0257, 22.4598

# Details

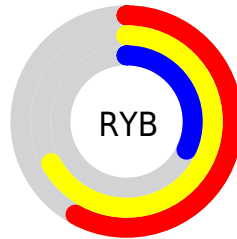
The HunterLab color  $51.0167, 4.0257, 22.4598$  is a dark color, and the websafe version is hex  $CC9966$ . A complement of this color would be  $42.2876, -0.8075, -27.9753$ , and the grayscale version is  $50.6853, -2.7044, 2.7538$ .

A 20% lighter version of the original color is  $72.9729, 3.5327, 27.5810$ , and  $31.8891, 3.8722, 16.9040$  is the 20% darker color. If you saturate the color by 10%, you get  $48.8813, 6.3001, 24.3652$ , and if you desaturate by 10%, it is  $53.2572, 2.0364, 19.9603$ .

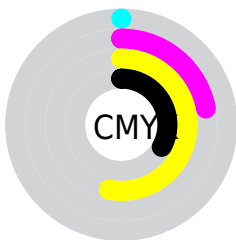
# Distribution



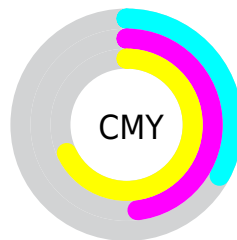
- Red (67%)
- Green (52%)
- Blue (32%)



- Red (58%)
- Yellow (67%)
- Blue (32%)



- Cyan (0%)
- Magenta (22%)
- Yellow (53%)
- Black (33%)



- Cyan (33%)
- Magenta (48%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 51.0167, 4.0257, 22.4598 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 51.0167, 4.0257, 22.4598 by changing the saturation by 10% instead.



■ 51.0167, 4.0257,  
22.4598

■ 51.0167, 4.0257,  
22.4598

168.2025, 0.9223,  
43.2781

■ 41.0424, 4.1089,  
19.7426

■ 73.0209, 3.6645,  
27.5261

■ 31.8181, 4.1200,  
16.8519

■ 84.9695, 3.4031,  
29.9245

■ 23.4119, 4.0443,  
13.7333

■ 97.5069, 3.0933,  
32.2565

■ 15.9131, 3.8631,  
11.1392

■ 110.6066, 2.7384,  
34.5347

■ 9.4485, 3.5463,  
6.6139

■ 124.2455, 2.3416,  
36.7689

0.0000, NaN, NaN

138.4031, 1.9052,

0.0000, NaN, NaN

38.9669

0.0000, NaN, NaN

153.0609, 1.4315,  
41.1349

0.0000, NaN, NaN

■ 51.0167, 4.0257,  
22.4598

■ 51.0167, 4.0257,  
22.4598

■ 48.8813, 6.3001,  
24.3652

■ 53.2572, 2.0364,  
19.9603

■ 46.8531, 8.8661,  
25.6492

■ 55.5930, 0.3325,  
16.8988

■ 44.9387, 11.7119,  
26.3017

■ 58.0194, -1.0990,  
13.3136

■ 43.1420, 14.8141,  
26.3383

■ 60.5306, -2.2714,  
9.2431

■ 41.8870, 17.2035,  
26.1117

■ 63.1212, -3.1995,  
4.7254

■ 65.7860, -3.8988,  
-0.2034

■ 68.5205, -4.3847,  
-5.5098

■ 71.3201, -4.6722,  
-11.1626

■ 74.1809, -4.7755,  
-17.1336

# Harmonies

## Analogous

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



51.0179, 18.0359, 18.5314



51.0167, 4.0257, 22.4598



51.0179, -10.3820, 22.2769

# Triad

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



51.0179, 4.0235, 22.4604



51.0179, -26.8818, -5.3182



51.0179, 19.1502, -19.1946

# Complementary

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



51.0167, 4.0257, 22.4598



42.2876, -0.8075, -27.9753

# 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.



51.0179, 5.4122, -29.9127



51.0167, 4.0257, 22.4598



51.0179, -20.6191, -20.4916

# Square

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



51.0179, 4.0235, 22.4604



51.0179, -27.1645, 8.6485



51.0179, -9.1398, -30.4446



51.0179, 27.4074, -3.8875



# Rectangle

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



51.0167, 4.0257, 22.4598



51.0179, -18.2832, 19.8883



51.0179, -9.1398, -30.4446



51.0179, 14.9549, -23.6204

# Sweetspot

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



51.0179, 4.0235, 22.4604



79.7660, -2.5057, 14.4312



39.8736, 33.7538, -1.2615



37.3517, -1.0369, 7.3294



93.2148, -4.9737, 5.0645



40.3295, -2.1519, 2.1912



# Same Dimension

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



51.0179, 4.0235, 22.4604



65.0043, 8.9162, 32.9151



61.4159, -15.7365, 30.0533



29.5887, -1.2560, 3.7562



36.5137, 14.6288, 22.7556



6.9003, 0.8456, 4.2667



# Inverse Universe

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



42.2876, -0.8075, -27.9753



51.1271, 1.9643, -48.4799



32.9418, 19.4255, -48.7055



28.7961, -1.7554, -0.7199



24.1433, 12.0723, -56.2377



5.2153, -0.2512, -5.9764



# Previews

## White Background



This preview shows how the HunterLab color 51.0167, 4.0257, 22.4598 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

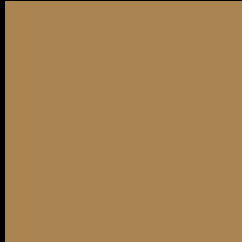
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 51.0167, 4.0257, 22.4598 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

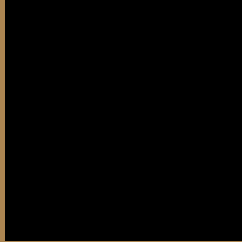
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

## HunterLab 51.0167, 4.0257, 22.4598 Background



This preview shows how black text looks on a background with the HunterLab color 51.0167, 4.0257, 22.4598.



This preview shows how white text looks on a background with the HunterLab color 51.0167, 4.0257,



# 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

51.0167, 4.0257, 22.4598

### Protanopia

51.1552, -5.3746, 21.7062

### Deuteranopia

50.9070, 3.6580, 22.3662



## Tritanopia

50.9209, 15.3830, 4.5257

# Trichromacy



## Original Color

51.0167, 4.0257, 22.4598

## Protanomaly

50.9798, -1.6654, 21.8668

## Deuteranomaly

50.9070, 3.6580, 22.3662

## Tritanomaly

50.9511, 10.5349, 12.3530

# Monochromacy



## Original Color

51.0167, 4.0257, 22.4598

## Achromatopsia

50.4135, -2.6899, 2.7391

## Achromatomaly

50.3753, -1.0148, 11.2154

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 51.0167, 4.0257, 22.4598 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(171, 133, 81)` looks like.

```
.text, #text, p{  
    color:rgb(171, 133, 81)  
}
```

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(171, 133, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 133, 81) }
```

## Border

The CSS property to change the border of an element to HunterLab 51.0167, 4.0257, 22.4598 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(171, 133, 81) }
```



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

```
.border{ border-color:rgb(171, 133, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 133, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 133, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 133, 81);  
box-shadow:4px 4px 4px 4px rgb(171, 133,  
81) }
```

# Background

The CSS property to change the background color of an element to HunterLab 51.0167, 4.0257, 22.4598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 133, 81) }
```

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

```
.background{ background-color: rgb(171,  
133, 81) }
```

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