

# Converting Colors

HunterLab(23.8560, -2.2328,  
11.5070)

Have a look what the booklet for  
HunterLab(23.8560, -2.2328,  
11.5070) contains.

<b>HunterLab(23.8559, -1.9782, 11.4434)</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(23.8559, -1.9782,  
11.4434)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4D431F
RGB	77, 67, 31
RGB Percent	30%, 26%, 12%
CMY	0.6980, 0.7372, 0.8784
CMYK	0.00, 0.13, 0.60, 0.70
HSL	47°, 43%, 21%
HSV	47°, 60%, 30%
XYZ	5.3151, 5.6910, 2.1147
YIQ	65.8860, 17.5160, -9.0760

# Conversions

## Conversions Part 2

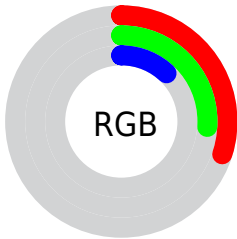
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	44, 77, 31
Decimal	5063455
CIE Lab	28.62, -1.12, 23.17
CIE LCh	29, 23.197, 92.775
Yxy	5.6913, 0.4051, 0.4337
Android (android.graphics.Color)	4283253535 (0xFF4D431F)
YUV	65.8860, -17.1988, 9.7470
Hunter-Lab	23.8559, -1.9782, 11.4434

# Details

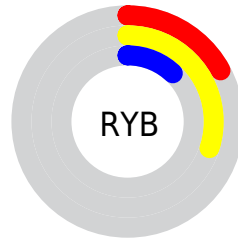
The HunterLab color **23.8559, -1.9782, 11.4434** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **15.5337, 3.8142, -17.1603**, and the grayscale version is **23.3556, -1.2462, 1.2690**.

A 20% lighter version of the original color is **41.5876, -3.2987, 15.8204**, and **9.7189, -0.6308, 5.9777** is the 20% darker color. If you saturate the color by 10%, you get **23.3652, -1.7172, 12.2701**, and if you desaturate by 10%, it is **24.3696, -2.1406, 10.3719**.

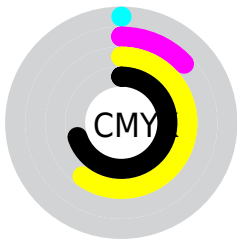
# Distribution



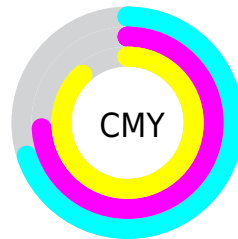
- Red (30%)
- Green (26%)
- Blue (12%)



- Red (17%)
- Yellow (30%)
- Blue (12%)



- Cyan (0%)
- Magenta (13%)
- Yellow (60%)
- Black (70%)



- Cyan (70%)
- Magenta (74%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 23.8559, -1.9782, 11.4434 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 23.8559, -1.9782, 11.4434 by changing the saturation by 10% instead.



■ 23.8559, -1.9782,  
11.4434

■ 23.8559, -1.9782,  
11.4434

■ 125.0193, -7.9066,  
28.6429

■ 16.3043, -1.4907,  
9.1418

■ 41.5779, -3.0706,  
15.7681

■ 9.7778, -1.0434,  
6.8445

■ 51.5935, -3.6694,  
17.7573

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 62.3048, -4.3012,  
19.6723

0.0000, NaN, NaN

■ 73.6693, -4.9644,  
21.5320

0.0000, NaN, NaN

■ 85.6514, -5.6577,  
23.3501

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 98.2207, -6.3799,

25.1365

0.0000, NaN, NaN

■ 111.3510, -7.1298,  
26.8988

■ 23.8559, -1.9782,  
11.4434

■ 23.8559, -1.9782,  
11.4434

■ 23.3652, -1.7172,  
12.2701

■ 24.3696, -2.1406,  
10.3719

■ 22.8955, -1.3573,  
12.8550

■ 24.9046, -2.2006,  
9.0548

■ 22.4463, -0.9071,  
13.2161

■ 25.4613, -2.1594,  
7.4953

■ 22.0053, -0.4352,  
13.5363

■ 26.0395, -2.0181,  
5.6981

■ 21.9938, -0.4228,  
13.5451

■ 26.6388, -1.7787,  
3.6699

■ 27.2587, -1.4436,  
1.4185

■ 27.8987, -1.0158,  
-1.0477

■ 28.5584, -0.4986,  
-3.7195

■ 29.2371, 0.1047,  
-6.5875

# Harmonies

## Analogous

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



23.8565, 5.8023, 10.6621



23.8559, -1.9782, 11.4434



23.8565, -8.6959, 10.2935

# Triad

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



23.8565, -1.9791, 11.4436



23.8565, -12.3814, -7.5412



23.8565, 13.1953, -5.9946

# Complementary

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



23.8559, -1.9782, 11.4434



15.5337, 3.8142, -17.1603

# 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.



23.8565, 7.1828, -13.6359



23.8559, -1.9782, 11.4434



23.8565, -7.6113, -14.7082

# Square

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



23.8565, -1.9791, 11.4436



23.8565, -14.2108, 0.6142



23.8565, -0.5610, -17.2285



23.8565, 15.1869, 1.9633



# Rectangle

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



23.8559, -1.9782, 11.4434



23.8565, -11.8516, 8.2826



23.8565, -0.5610, -17.2285



23.8565, 11.5432, -8.7601

# Sweetspot

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



23.8565, -1.9791, 11.4436



34.0088, -2.6014, 7.1501



16.5018, 13.9979, 2.6324



17.3656, -1.3561, 3.8896



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.



23.8565, -1.9791, 11.4436



30.1402, -2.0252, 16.3946



25.5371, -9.2963, 12.5632



13.7264, -0.8978, 1.7658



29.2187, -0.2087, 18.0008



70.1635, 1.1534, 43.2546



# Inverse Universe

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



15.5337, 3.8142, -17.1603



17.0641, 8.0806, -30.7516



14.2663, 10.5319, -20.2046



13.0618, -0.4971, -0.3800



12.4082, 16.9606, -52.1223



28.2067, 47.7668, -138.3707



# Previews

## White Background



This preview shows how the HunterLab color 23.8559, -1.9782, 11.4434 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

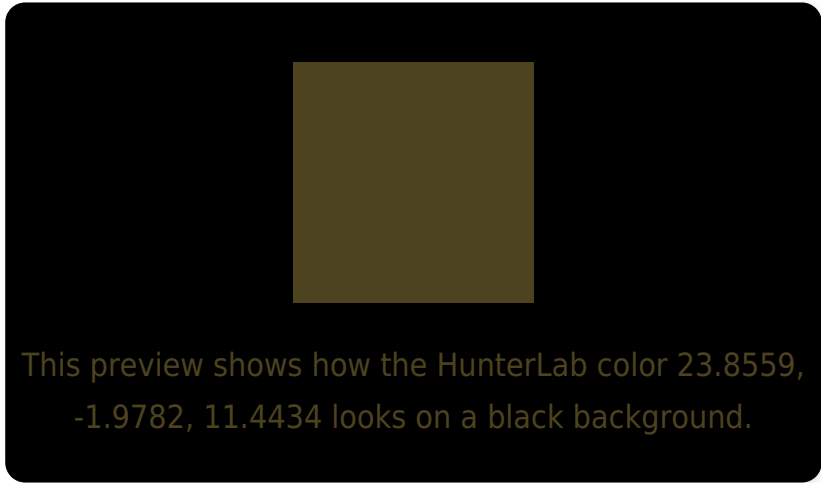
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

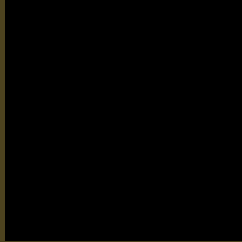
Any Text WCAG AA × Fail

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 23.8559, -1.9782, 11.4434 Background



This preview shows how black text looks on a background with the HunterLab color 23.8559, -1.9782, 11.4434.



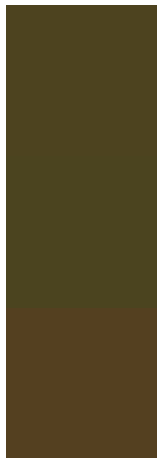
This preview shows how white text looks on a background with the HunterLab color 23.8559, -1.9782, 11.4434.



# 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

23.8559, -1.9782, 11.4434

### Protanopia

23.9354, -2.9875, 11.4855

### Deuteranopia

23.7821, 1.5407, 11.2747



## Tritanopia

23.8282, 4.2149, 1.1489

# Trichromacy



## Original Color

23.8559, -1.9782, 11.4434

## Protanomaly

24.0201, -2.6872, 11.5543

## Deuteranomaly

23.7365, 0.1550, 11.2157

## Tritanomaly

23.6747, 1.9033, 5.5697

# Monochromacy



## Original Color

23.8559, -1.9782, 11.4434

## Achromatopsia

23.3410, -1.2454, 1.2682

## Achromatomaly

23.3571, -1.7729, 5.8118

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 23.8559, -1.9782, 11.4434 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(77, 67, 31)` looks like.

```
.text, #text, p{  
    color:rgb(77, 67, 31)  
}
```

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(77, 67, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 67, 31) }
```

## Border

The CSS property to change the border of an element to HunterLab 23.8559, -1.9782, 11.4434 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(77, 67, 31) }
```



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

```
.border{ border-color:rgb(77, 67, 31) }
```

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

Here you see how a box with a 4 pixel rgb(77, 67, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 67, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 67, 31);  
box-shadow:4px 4px 4px 4px rgb(77, 67, 31)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 23.8559, -1.9782, 11.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 67, 31) }
```

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

```
.background{ background-color: rgb(77, 67,  
31) }
```

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