

# Converting Colors

HunterLab(33.5410, -23.7413,  
19.0901)

Have a look what the booklet for  
HunterLab(33.5410, -23.7413,  
19.0901) contains.

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# Color

**HunterLab(33.3867,  
-23.6179, 18.9840)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E6B14
RGB	46, 107, 20
RGB Percent	18%, 42%, 8%
CMY	0.8196, 0.5804, 0.9216
CMYK	0.57, 0.00, 0.81, 0.58
HSL	102°, 69%, 25%
HSV	102°, 81%, 42%
XYZ	6.5107, 11.1467, 2.4702
YIQ	78.8430, -8.4290, -39.9890

# Conversions

## Conversions Part 2

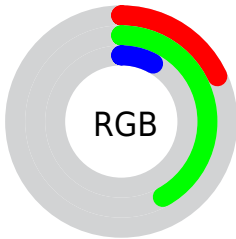
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	20, 107, 81
Decimal	3042068
CIE <sub>Lab</sub>	39.83, -36.05, 39.63
CIE <sub>LCh</sub>	40, 53.578, 132.289
Yxy	11.1472, 0.3235, 0.5538
Android (android.graphics.Color)	4281232148 (0xFF2E6B14)
YUV	78.8430, -29.0096, -28.8033
Hunter-Lab	33.3867, -23.6179, 18.9840

# Details

The HunterLab color  $[33.3867, -23.6179, 18.9840]$  is a dark color, and the websafe version is hex  $336600$ . A complement of this color would be  $[18.1977, 29.9302, -33.5844]$ , and the grayscale version is  $[28.0095, -1.4945, 1.5218]$ .

A 20% lighter version of the original color is  $[52.8241, -29.3163, 25.3458]$ , and  $[17.6860, -15.1657, 10.6325]$  is the 20% darker color. If you saturate the color by 10%, you get  $[33.1026, -24.8925, 19.4834]$ , and if you desaturate by 10%, it is  $[33.7399, -22.0320, 18.1625]$ .

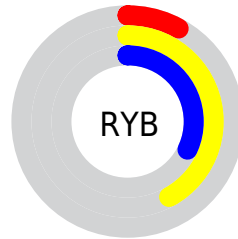
# Distribution



Red (18%)

Green (42%)

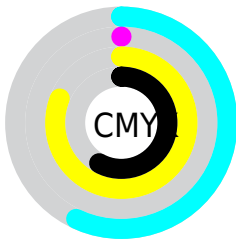
Blue (8%)



Red (8%)

Yellow (42%)

Blue (32%)

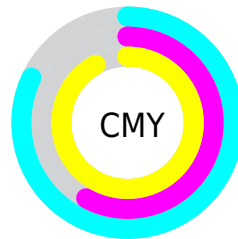


Cyan (57%)

Magenta (0%)

Yellow (81%)

Black (58%)



Cyan (82%)

Magenta (58%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 33.3867, -23.6179, 18.9840 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 33.3867, -23.6179, 18.9840 by changing the saturation by 10% instead.



■ 33.3867, -23.6179,  
18.9840

■ 33.3867, -23.6179,  
18.9840

140.9520,  
-46.3604, 44.2776

■ 24.8313, -20.4389,  
15.4134

■ 52.8508, -29.3412,  
25.4506

■ 17.1646, -16.9211,  
12.0152

■ 63.6431, -31.9897,  
28.4247

■ 10.5058, -15.7689,  
7.3541

■ 75.0839, -34.5388,  
31.2714

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 87.1384, -37.0091,  
34.0152

0.0000, NaN, NaN

■ 99.7767, -39.4159,  
36.6745

0.0000, NaN, NaN


0.0000, NaN, NaN


■ 112.9731,


-41.7709, 39.2640


0.0000, NaN, NaN


 126.7049,  
-44.0833, 41.7952


 33.3867, -23.6179,  
18.9840


 33.3867, -23.6179,  
18.9840


 33.1026, -24.8925,  
19.4834


 33.7399, -22.0320,  
18.1625

 32.8976, -25.8140,  
19.8194

 34.1629, -20.1274,  
16.9935

 34.6583, -17.9069,  
15.4641

 35.2271, -15.3794,  
13.5709

 35.8693, -12.5588,  
11.3181

■ 36.5843, -9.4631,  
8.7162

■ 37.3711, -6.1127,  
5.7805

■ 38.2280, -2.5298,  
2.5300

■ 39.1530, 1.2626,  
-1.0142

# Harmonies

## Analogous

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



33.3874, -9.4610, 21.3258



33.3867, -23.6179, 18.9840



33.3874, -30.7219, 11.0172

# Triad

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



33.3874, -23.6185, 18.9842



33.3874, -12.5313, -53.8627



33.3874, 43.8114, 8.6065

# Complementary

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



33.3867, -23.6179, 18.9840



18.1977, 29.9302, -33.5844

# 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.



33.3874, 42.4446, -11.0905



33.3867, -23.6179, 18.9840



33.3874, 6.6578, -55.9443

# Square

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



33.3874, -23.6185, 18.9842



33.3874, -25.4157, -32.6042



33.3874, 27.6803, -37.2764



33.3874, 31.0692, 18.0974



# Rectangle

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



33.3867, -23.6179, 18.9840



33.3874, -31.8020, 0.3473



33.3874, 27.6803, -37.2764



33.3874, 45.0570, 3.2234

# Sweetspot

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



33.3874, -23.6185, 18.9842



48.6208, -14.0991, 12.8884



30.0779, 1.5175, 17.2556



23.7912, -7.4959, 6.8115



75.5302, -4.0301, 4.1037



25.2436, -1.3469, 1.3715



# Same Dimension

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



33.3874, -23.6185, 18.9842



44.0093, -34.5771, 26.4045



32.8644, -25.5394, 16.5860



18.6670, -2.6303, 2.5077



36.2641, -28.5577, 21.8458



81.6126, -65.5038, 49.1426



# Inverse Universe

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



18.1977, 29.9302, -33.5844



21.5046, 44.9385, -54.6348



20.8753, 33.0924, -13.7788



17.6657, 0.7508, -0.6296



17.5967, 37.4737, -45.5184



39.1299, 83.8273, -105.0716



# Previews

## White Background



This preview shows how the HunterLab color 33.3867, -23.6179, 18.9840 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 × Fail



# Black Background



This preview shows how the HunterLab color 33.3867, -23.6179, 18.9840 looks on a black 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

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

## HunterLab 33.3867, -23.6179, 18.9840 Background



This preview shows how black text looks on a background with the HunterLab color 33.3867, -23.6179, 18.9840.



This preview shows how white text looks on a background with the HunterLab color 33.3867,

-23.6179, 18.9840.

# 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

33.3867, -23.6179, 18.9840

### Protanopia

33.2356, -4.8743, 19.5198

### Deuteranopia

33.1894, 1.7796, 18.4058



## Tritanopia

33.4980, -9.3284, -4.6330

# Trichromacy



## Original Color

33.3867, -23.6179, 18.9840

## Protanomaly

32.9378, -13.0989, 19.1122

## Deuteranomaly

32.6565, -9.6838, 18.1789

## Tritanomaly

33.2612, -16.4245, 8.0196

# Monochromacy



## Original Color

33.3867, -23.6179, 18.9840

## Achromatopsia

27.9620, -1.4920, 1.5192

## Achromatomaly

29.3999, -11.0696, 9.8496

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 33.3867, -23.6179, 18.9840 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(46, 107, 20)` looks like.

```
.text, #text, p{  
    color:rgb(46, 107, 20)  
}
```

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(46, 107, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 107, 20) }
```

## Border

The CSS property to change the border of an element to HunterLab 33.3867, -23.6179, 18.9840 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(46, 107, 20) }
```



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

```
.border{ border-color:rgb(46, 107, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 107, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 107, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 107, 20);  
box-shadow:4px 4px 4px 4px rgb(46, 107,  
20) }
```

# Background

The CSS property to change the background color of an element to HunterLab 33.3867, -23.6179, 18.9840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 107, 20) }
```

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

```
.background{ background-color: rgb(46, 107,  
20) }
```

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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