

# Converting Colors

HunterLab(20.6249, -7.9229,  
8.1162)

Have a look what the booklet for  
HunterLab(20.6249, -7.9229, 8.1162)  
contains.

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# Color

**HunterLab(20.7338, -8.0016,  
8.3083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	303F22
RGB	48, 63, 34
RGB Percent	19%, 25%, 13%
CMY	0.8118, 0.7529, 0.8667
CMYK	0.24, 0.00, 0.46, 0.75
HSL	91°, 30%, 19%
HSV	91°, 46%, 25%
XYZ	3.2852, 4.2989, 2.1700
YIQ	55.2090, 0.3690, -12.1990

# Conversions

## Conversions Part 2

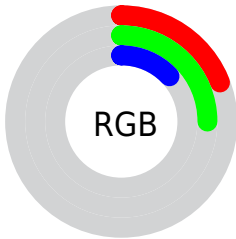
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 63, 49
Decimal	3161890
CIE <sub>Lab</sub>	24.64, -12.28, 15.84
CIE <sub>LCh</sub>	25, 20.044, 127.800
Y <sub>xy</sub>	4.2991, 0.3368, 0.4407
Android (android.graphics.Color)	4281351970 (0xFF303F22)
YUV	55.2090, -10.4560, -6.3223
Hunter-Lab	20.7338, -8.0016, 8.3083

# Details

The HunterLab color  $[20.7338, -8.0016, 8.3083]$  is a dark color, and the websafe version is hex  $333300$ . A complement of this color would be  $[14.6835, 7.5648, -9.8092]$ , and the grayscale version is  $[19.6517, -1.0486, 1.0677]$ .

A 20% lighter version of the original color is  $[37.9029, -10.6883, 11.5974]$ , and  $[7.5751, -6.4956, 4.5540]$  is the 20% darker color. If you saturate the color by 10%, you get  $[20.4687, -9.1831, 9.3237]$ , and if you desaturate by 10%, it is  $[21.0262, -6.7087, 7.1020]$ .

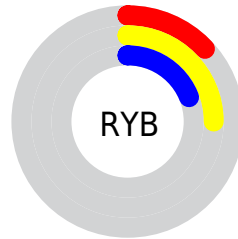
# Distribution



Red (19%)

Green (25%)

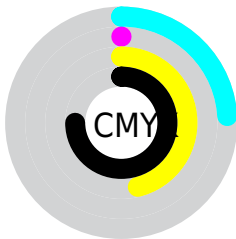
Blue (13%)



Red (13%)

Yellow (25%)

Blue (19%)

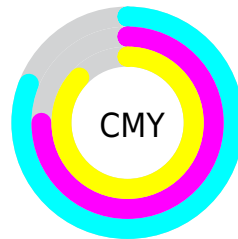


Cyan (24%)

Magenta (0%)

Yellow (46%)

Black (75%)



Cyan (81%)

Magenta (75%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 20.7338, -8.0016, 8.3083 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 20.7338, -8.0016, 8.3083 by changing the saturation by 10% instead.



■ 20.7338, -8.0016,  
8.3083

■ 20.7338, -8.0016,  
8.3083

■ 119.5116,  
-19.3667, 21.6628

■ 13.5729, -6.5723,  
6.6309

■ 37.7933, -10.6417,  
11.5504

■ 7.1645, -7.8544,  
5.0151

■ 47.5179, -11.9081,  
13.0652

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 57.9577, -13.1578,  
14.5401

0.0000, NaN, NaN

■ 69.0666, -14.3990,  
15.9883

0.0000, NaN, NaN

■ 80.8066, -15.6371,  
17.4189

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 93.1453, -16.8760,

18.8385

0.0000, NaN, NaN

106.0551,  
-18.1185, 20.2519

20.7338, -8.0016,  
8.3083

20.7338, -8.0016,  
8.3083

20.4687, -9.1831,  
9.3237

21.0262, -6.7087,  
7.1020

20.2293, -10.2488,  
10.1488

21.3446, -5.3072,  
5.7058

20.0158, -11.1976,  
10.7877

21.6892, -3.8025,  
4.1233

19.8272, -12.0310,  
11.2511

22.0597, -2.2005,  
2.3598

19.6547, -12.8005,  
11.6704

22.4558, -0.5071,  
0.4218

■ 19.5895, -13.0949,  
11.8417

■ 22.8768, 1.2711,  
-1.6831

■ 23.3223, 3.1277,  
-3.9467

■ 23.7915, 5.0560,  
-6.3602

■ 24.2838, 7.0500,  
-8.9145

# Harmonies

## Analogous

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



20.7343, -2.7211, 9.5890



20.7338, -8.0016, 8.3083



20.7343, -11.1457, 5.0169

# Triad

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



20.7343, -8.0021, 8.3085



20.7343, -5.4759, -12.5736



20.7343, 12.2647, 2.6280

# Complementary

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



20.7338, -8.0016, 8.3083



14.6835, 7.5648, -9.8092

# 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.



20.7343, 11.3000, -3.6980



20.7338, -8.0016, 8.3083



20.7343, 0.5571, -13.7835

# Square

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



20.7343, -8.0021, 8.3085



20.7343, -9.8127, -7.2191



20.7343, 6.8255, -10.1549



20.7343, 9.3234, 7.0072



# Rectangle

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



20.7338, -8.0016, 8.3083



20.7343, -11.8475, 1.5647



20.7343, 6.8255, -10.1549



20.7343, 12.3923, 0.6828

# Sweetspot

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



20.7343, -8.0021, 8.3085



28.1828, -4.6409, 5.0336



18.3512, 1.3112, 6.4411



14.4362, -2.4702, 2.6789



62.6995, -3.3455, 3.4066



14.8260, -0.7911, 0.8055



# Same Dimension

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



20.7343, -8.0021, 8.3085



26.4903, -12.0996, 12.2454



20.0340, -10.7080, 7.5694



11.4119, -1.3431, 1.4495



29.3907, -20.2155, 17.7565



74.3601, -52.9411, 44.8935



# Inverse Universe

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



14.6835, 7.5648, -9.8092



16.9339, 12.7437, -17.0131



15.9827, 11.1851, -7.1402



10.8106, 0.1801, -0.2943



12.0938, 27.4452, -44.3880



29.8236, 68.7300, -117.5971



# Previews

## White Background



This preview shows how the HunterLab color 20.7338, -8.0016, 8.3083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

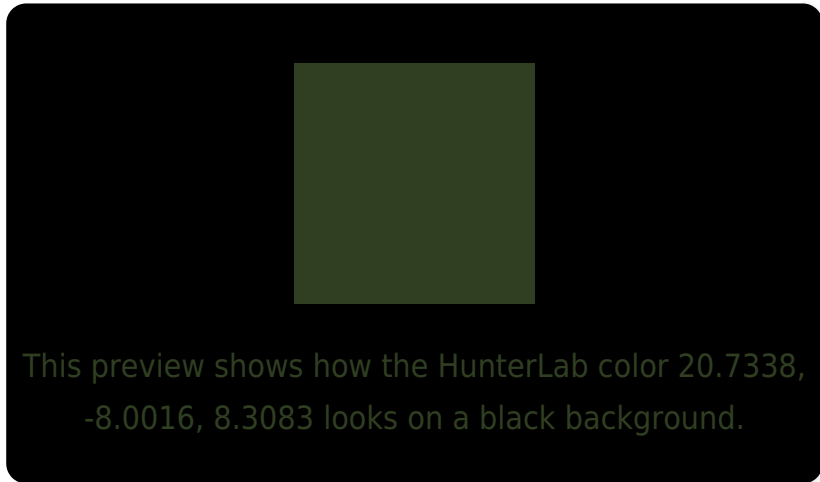
Any Text WCAG AA ✓ Pass

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

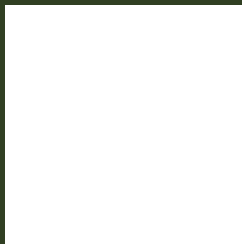
Any Text WCAG AAA × Fail

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

## HunterLab 20.7338, -8.0016, 8.3083 Background



This preview shows how black text looks on a background with the HunterLab color 20.7338, -8.0016, 8.3083.



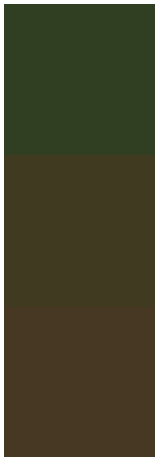
This preview shows how white text looks on a background with the HunterLab color 20.7338, -8.0016, 8.3083.



# 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

20.7338, -8.0016, 8.3083

### Protanopia

20.5436, -2.1680, 8.6771

### Deuteranopia

20.7251, 1.0340, 8.0140



## Tritanopia

20.8133, -2.4833, -1.0358

# Trichromacy



## Original Color

20.7338, -8.0016, 8.3083

## Protanomaly

20.5938, -4.5298, 8.4681

## Deuteranomaly

20.7510, -2.6182, 8.1976

## Tritanomaly

20.7324, -4.6274, 3.0620

# Monochromacy



## Original Color

20.7338, -8.0016, 8.3083

## Achromatopsia

19.5459, -1.0429, 1.0620

## Achromatomaly

19.9033, -3.9588, 4.1838

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 20.7338, -8.0016, 8.3083 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(48, 63, 34)` looks like.

```
.text, #text, p{  
    color:rgb(48, 63, 34)  
}
```

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(48, 63, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 63, 34) }
```

## Border

The CSS property to change the border of an element to HunterLab 20.7338, -8.0016, 8.3083 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(48, 63, 34) }
```



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

```
.border{ border-color:rgb(48, 63, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 63, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 63, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 63, 34);  
box-shadow:4px 4px 4px 4px rgb(48, 63, 34)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 20.7338, -8.0016, 8.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 63, 34) }
```

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

```
.background{ background-color: rgb(48, 63,  
34) }
```

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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