

# Converting Colors

HunterLab(20.4453, 3.6552,  
4.4928)

Have a look what the booklet for  
HunterLab(20.4453, 3.6552, 4.4928)  
contains.

<b>HunterLab(20.3404, 3.7111, 4.4477)</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(20.3404, 3.7111,  
4.4477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	483530
RGB	72, 53, 48
RGB Percent	28%, 21%, 19%
CMY	0.7176, 0.7921, 0.8118
CMYK	0.00, 0.26, 0.33, 0.72
HSL	13°, 20%, 24%
HSV	13°, 33%, 28%
XYZ	4.4791, 4.1373, 3.3588
YIQ	58.1110, 12.9290, 2.4730

# Conversions

## Conversions Part 2

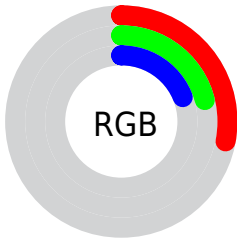
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	72, 54, 48
Decimal	4732208
CIE Lab	24.12, 7.67, 6.45
CIE LCh	24, 10.019, 40.066
Yxy	4.1375, 0.3740, 0.3455
Android (android.graphics.Color)	4282922288 (0xFF483530)
YUV	58.1110, -4.9847, 12.1807
Hunter-Lab	20.3404, 3.7111, 4.4477

# Details

The HunterLab color **20.3404, 3.7111, 4.4477** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22.6062, -4.8520, -2.2348**, and the grayscale version is **20.6216, -1.1003, 1.1204**.

A 20% lighter version of the original color is **37.3998, 3.5773, 6.3204**, and **6.7059, 4.8282, 4.2166** is the 20% darker color. If you saturate the color by 10%, you get **18.9571, 5.4108, 5.2718**, and if you desaturate by 10%, it is **21.8009, 2.0955, 3.5718**.

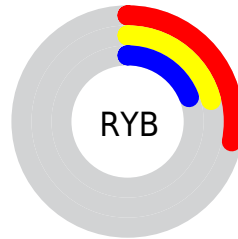
# Distribution



 Red (28%)

 Green (21%)

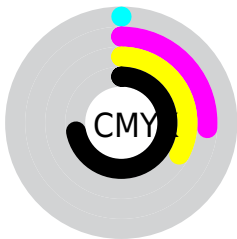
 Blue (19%)



 Red (28%)

 Yellow (21%)

 Blue (19%)

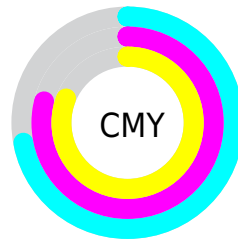


 Cyan (0%)

 Magenta (26%)

 Yellow (33%)

 Black (72%)



 Cyan (72%)

 Magenta (79%)

 Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 20.3404, 3.7111, 4.4477 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 20.3404, 3.7111, 4.4477 by changing the saturation by 10% instead.



■ 20.3404, 3.7111,  
4.4477

■ 20.3404, 3.7111,  
4.4477

■ 118.8047, 2.0345,  
12.8924

■ 13.2317, 3.5100,  
3.5236

■ 37.3123, 3.7940,  
6.2528

■ 6.7544, 4.5858,  
4.3253

■ 46.9986, 3.7134,  
7.1591

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 57.4027, 3.5658,  
8.0759

0.0000, NaN, NaN

■ 68.4781, 3.3587,  
9.0064

0.0000, NaN, NaN

■ 80.1863, 3.0980,  
9.9523

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 92.4949, 2.7880,

105.3759, 2.4325,  
11.8947

■ 20.3404, 3.7111,  
4.4477

■ 20.3404, 3.7111,  
4.4477

■ 18.9571, 5.4108,  
5.2718

■ 21.8009, 2.0955,  
3.5718

■ 17.6602, 7.1942,  
6.0281

■ 23.3283, 0.5639,  
2.6548

■ 16.4621, 9.0488,  
6.6974

■ 24.9154, -0.8899,  
1.7055

■ 15.3764, 10.9497,  
7.2562

■ 26.5558, -2.2728,  
0.7302

■ 14.4171, 12.8542,  
7.6783

■ 28.2439, -3.5920,  
-0.2665

■ 13.5919, 14.6718,  
8.0308

■ 29.9753, -4.8544,  
-1.2811

■ 13.1130, 15.7577,  
8.3560

■ 31.7459, -6.0666,  
-2.3112

■ 33.5526, -7.2346,  
-3.3550

■ 35.3923, -8.3636,  
-4.4110

# Harmonies

## Analogous

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



20.3409, 5.1624, 2.0794



20.3404, 3.7111, 4.4477



20.3409, 0.9991, 5.7738

# Triad

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



20.3409, 3.7103, 4.4480



20.3409, -6.4235, 2.9580



20.3409, -0.0274, -5.3498

# Complementary

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



20.3404, 3.7111, 4.4477



22.6062, -4.8520, -2.2348

# 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.



20.3409, -3.0912, -5.0200



20.3404, 3.7111, 4.4477



20.3409, -6.6615, 0.0845

# Square

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



20.3409, 3.7103, 4.4480



20.3409, -4.8049, 5.0076



20.3409, -5.4761, -2.9183



20.3409, 2.9200, -3.7612



# Rectangle

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



20.3404, 3.7111, 4.4477



20.3409, -1.0933, 6.0264



20.3409, -5.4761, -2.9183



20.3409, -1.0795, -5.4647

# Sweetspot

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



20.3409, 3.7103, 4.4480



31.3846, 0.1716, 3.1396



19.7467, 8.3681, -3.7243



16.1281, 0.1605, 1.6671



65.8695, -3.5146, 3.5788



17.3419, -0.9253, 0.9422



# Same Dimension

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



20.3409, 3.7103, 4.4480



25.3187, 6.7436, 6.7737



23.1275, -1.2279, 7.0608



12.4716, -0.0708, 1.1433



17.9007, 23.0994, 11.4347



42.8714, 61.0884, 27.4866



# Inverse Universe

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



22.6062, -4.8520, -2.2348



28.9934, -7.2240, -4.0850



19.6156, -0.0719, -6.4454



12.7835, -1.2403, 0.2253



25.4200, -9.0248, -12.2908



61.6814, -20.8083, -32.1772



# Previews

## White Background



This preview shows how the HunterLab color 20.3404, 3.7111, 4.4477 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

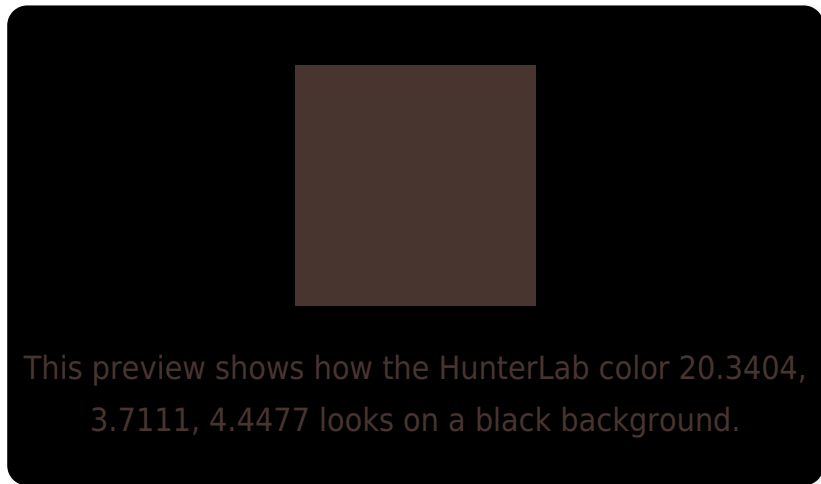
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

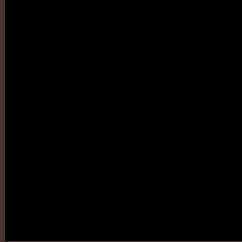
Any Text WCAG AA × Fail

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 20.3404, 3.7111, 4.4477 Background



This preview shows how black text looks on a background with the HunterLab color 20.3404, 3.7111, 4.4477.



This preview shows how white text looks on a background with the HunterLab color 20.3404, 3.7111,



# 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

20.3404, 3.7111, 4.4477

### Protanopia

20.2909, -1.1801, 3.6650

### Deuteranopia

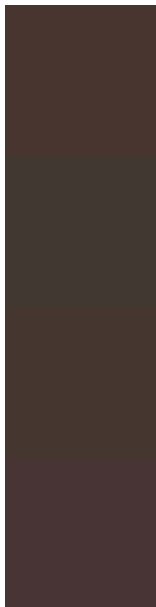
20.3447, 1.3733, 4.4112



## Tritanopia

20.3911, 5.3662, 1.7803

# Trichromacy



## Original Color

20.3404, 3.7111, 4.4477

## Protanomaly

20.3472, 0.2105, 4.0745

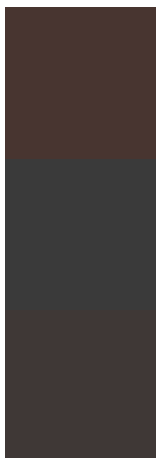
## Deuteranomaly

20.2903, 2.3814, 4.3734

## Tritanomaly

20.3212, 5.0045, 2.7823

# Monochromacy



## Original Color

20.3404, 3.7111, 4.4477

## Achromatopsia

20.5697, -1.0975, 1.1176

## Achromatomaly

20.3751, 0.5246, 2.4085

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 20.3404, 3.7111, 4.4477 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(72, 53, 48)` looks like.

```
.text, #text, p{  
    color:rgb(72, 53, 48)  
}
```

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(72, 53, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 53, 48) }
```

## Border

The CSS property to change the border of an element to HunterLab 20.3404, 3.7111, 4.4477 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(72, 53, 48) }
```



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

```
.border{ border-color:rgb(72, 53, 48) }
```

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

Here you see how a box with a 4 pixel rgb(72, 53, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 53, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 53, 48);  
box-shadow:4px 4px 4px 4px rgb(72, 53, 48)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 20.3404, 3.7111, 4.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 53, 48) }
```

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

```
.background{ background-color: rgb(72, 53,  
48) }
```

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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