

# Converting Colors

HunterLab(30.6708, 13.0926,  
9.7153)

Have a look what the booklet for  
HunterLab(30.6708, 13.0926,  
9.7153) contains.

<b>HunterLab(30.7875, 13.0436, 9.8584)</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(30.7875, 13.0436,  
9.8584)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B4A40
RGB	123, 74, 64
RGB Percent	48%, 29%, 25%
CMY	0.5176, 0.7098, 0.7490
CMYK	0.00, 0.40, 0.48, 0.52
HSL	10°, 32%, 37%
HSV	10°, 48%, 48%
XYZ	11.5426, 9.4787, 6.0717
YIQ	87.5110, 32.4140, 7.2780

# Conversions

## Conversions Part 2

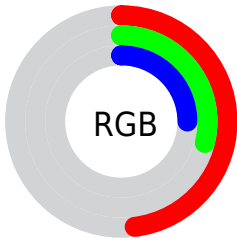
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 76, 64
Decimal	8079936
CIE <sub>Lab</sub>	36.89, 19.63, 14.78
CIE <sub>LCh</sub>	37, 24.571, 36.982
Yxy	9.4792, 0.4260, 0.3499
Android (android.graphics.Color)	4286270016 (0xFF7B4A40)
YUV	87.5110, -11.5909, 31.1239
Hunter-Lab	30.7875, 13.0436, 9.8584

# Details

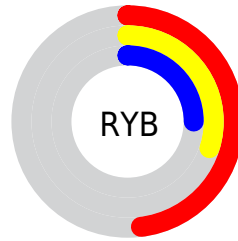
The HunterLab color **30.7875, 13.0436, 9.8584** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **37.8546, -11.5733, -6.2266**, and the grayscale version is **31.0929, -1.6590, 1.6893**.

A 20% lighter version of the original color is **49.8003, 14.5280, 12.6908**, and **15.0747, 11.1939, 6.6945** is the 20% darker color. If you saturate the color by 10%, you get **28.4592, 16.7000, 11.1337**, and if you desaturate by 10%, it is **33.3340, 9.5156, 8.4474**.

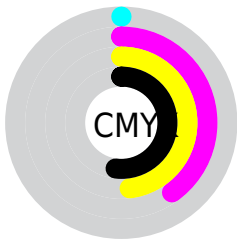
# Distribution



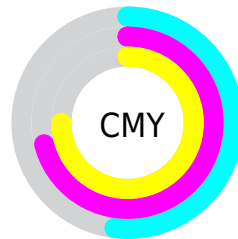
- Red (48%)
- Green (29%)
- Blue (25%)



- Red (48%)
- Yellow (30%)
- Blue (25%)



- Cyan (0%)
- Magenta (40%)
- Yellow (48%)
- Black (52%)



- Cyan (52%)
- Magenta (71%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 30.7875, 13.0436, 9.8584 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 30.7875, 13.0436, 9.8584 by changing the saturation by 10% instead.



■ 30.7875, 13.0436,  
9.8584

■ 30.7875, 13.0436,  
9.8584

136.7163, 15.5875,  
22.3936

■ 22.4834, 12.2840,  
8.3035

■ 49.8108, 14.1878,  
12.7752

■ 15.0983, 11.3737,  
6.6295

■ 60.4051, 14.6083,  
14.1791

■ 8.7343, 10.4396,  
6.1140

■ 71.6594, 14.9430,  
15.5633

0.0000, INF, NaN

0.0000, NaN, NaN

■ 83.5370, 15.2006,  
16.9353

0.0000, NaN, NaN

■ 96.0068, 15.3885,  
18.3008

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 109.0418, 15.5125,

19.6638

0.0000, NaN, NaN

122.6186, 15.5774,  
21.0273

■ 30.7875, 13.0436,  
9.8584

■ 30.7875, 13.0436,  
9.8584

■ 28.4592, 16.7000,  
11.1337

■ 33.3340, 9.5156,  
8.4474

■ 26.3799, 20.4224,  
12.2199

■ 36.0668, 6.1520,  
6.9392

■ 24.5857, 24.0921,  
13.0560

■ 38.9616, 2.9586,  
5.3628

■ 23.1099, 27.5370,  
13.5818

■ 41.9974, -0.0706,  
3.7380

■ 21.9692, 30.5115,  
13.8777

■ 45.1566, -2.9483,  
2.0782

■ 21.7759, 31.0254,  
13.9614

■ 48.4248, -5.6902,  
0.3922

■ 51.7900, -8.3122,  
-1.3142

■ 55.2424, -10.8294,  
-3.0373

■ 58.7736, -13.2558,  
-4.7747

# Harmonies

## Analogous

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



30.7883, 16.9769, 3.5656



30.7875, 13.0436, 9.8584



30.7883, 5.2418, 13.0991

# Triad

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



30.7883, 13.0420, 9.8589



30.7883, -15.6980, 7.3195



30.7883, 0.4356, -18.9164

# Complementary

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



30.7875, 13.0436, 9.8584



37.8546, -11.5733, -6.2266

# 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.



30.7883, -7.9740, -17.0814



30.7875, 13.0436, 9.8584



30.7883, -16.6790, -0.3418

# Square

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



30.7883, 13.0420, 9.8589



30.7883, -11.1599, 11.9458



30.7883, -14.0077, -9.6402



30.7883, 9.1885, -14.1188



# Rectangle

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



30.7875, 13.0436, 9.8584



30.7883, -0.7502, 13.7901



30.7883, -14.0077, -9.6402



30.7883, -2.5286, -19.0722

# Sweetspot

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



30.7883, 13.0420, 9.8589



53.5892, 2.4661, 6.3952



30.1228, 24.2712, -11.8604



25.6521, 1.5584, 3.2942



79.8926, -4.2629, 4.3407



28.9024, -1.5422, 1.5703



# Same Dimension

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



30.7883, 13.0420, 9.8589



37.6559, 23.0721, 15.1287



37.8789, -0.4217, 15.7410



20.2850, 0.1237, 1.9079



22.1344, 31.5997, 14.1923



47.4266, 71.9353, 30.4834



# Inverse Universe

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



37.8546, -11.5733, -6.2266



48.9661, -16.9664, -10.7560



29.6803, 1.1887, -19.1235



20.9817, -2.2459, 0.3340



33.6644, -13.1788, -13.6283



72.7854, -27.8008, -30.9614



# Previews

## White Background



This preview shows how the HunterLab color 30.7875, 13.0436, 9.8584 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

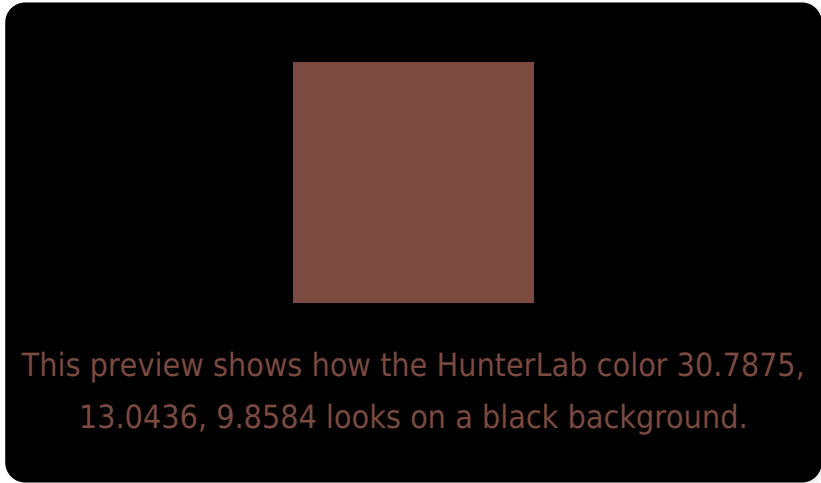
Any Text WCAG AA ✓ Pass

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 30.7875, 13.0436, 9.8584 Background



This preview shows how black text looks on a background with the HunterLab color 30.7875, 13.0436, 9.8584.



This preview shows how white text looks on a background with the HunterLab color 30.7875, 13.0436,



# 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

30.7875, 13.0436, 9.8584

### Protanopia

30.9609, -2.1326, 7.9444

### Deuteranopia

31.0347, 1.7605, 10.4475



## Tritanopia

30.7500, 15.6666, 5.6846

# Trichromacy



## Original Color

30.7875, 13.0436, 9.8584

## Protanomaly

30.6513, 3.2543, 8.3655

## Deuteranomaly

30.7826, 5.9814, 10.0152

## Tritanomaly

30.8513, 14.6554, 7.4847

# Monochromacy



## Original Color

30.7875, 13.0436, 9.8584

## Achromatopsia

31.2390, -1.6668, 1.6973

## Achromatomaly

30.8508, 3.1259, 4.8488

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 30.7875, 13.0436, 9.8584 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(123, 74, 64)` looks like.

```
.text, #text, p{  
    color:rgb(123, 74, 64)  
}
```

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(123, 74, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 74, 64) }
```

## Border

The CSS property to change the border of an element to HunterLab 30.7875, 13.0436, 9.8584 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(123, 74, 64) }
```



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

```
.border{ border-color:rgb(123, 74, 64) }
```

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

Here you see how a box with a 4 pixel rgb(123, 74, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 74, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 74, 64);  
box-shadow:4px 4px 4px 4px rgb(123, 74,  
64) }
```

# Background

The CSS property to change the background color of an element to HunterLab 30.7875, 13.0436, 9.8584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 74, 64) }
```

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

```
.background{ background-color: rgb(123, 74,  
64) }
```

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