

# Converting Colors

HunterLab(23.9994, 17.6442,  
13.3039)

Have a look what the booklet for  
HunterLab(23.9994, 17.6442,  
13.3039) contains.

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# Color

**HunterLab(24.0031, 17.8121,  
13.3500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	713115
RGB	113, 49, 21
RGB Percent	44%, 19%, 8%
CMY	0.5569, 0.8078, 0.9176
CMYK	0.00, 0.57, 0.81, 0.56
HSL	18°, 69%, 26%
HSV	18°, 81%, 44%
XYZ	8.0437, 5.7615, 1.3976
YIQ	64.9440, 47.1320, 4.8600

# Conversions

## Conversions Part 2

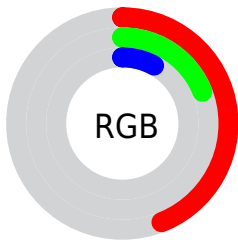
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 61, 21
Decimal	7418133
CIE Lab	28.80, 26.40, 30.42
CIE LCh	29, 40.280, 49.041
Yxy	5.7618, 0.5291, 0.3790
Android (android.graphics.Color)	4285608213 (0xFF713115)
YUV	64.9440, -21.6644, 42.1451
Hunter-Lab	24.0031, 17.8121, 13.3500

# Details

The HunterLab color **24.0031, 17.8121, 13.3500** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **28.0144, -7.3664, -15.9306**, and the grayscale version is **23.0342, -1.2290, 1.2515**.

A 20% lighter version of the original color is **41.8196, 20.0175, 18.8120**, and **9.9746, 15.4039, 6.4160** is the 20% darker color. If you saturate the color by 10%, you get **22.6446, 20.7617, 13.5876**, and if you desaturate by 10%, it is **25.5529, 14.8778, 12.7854**.

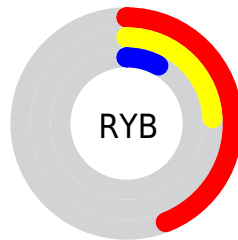
# Distribution



Red (44%)

Green (19%)

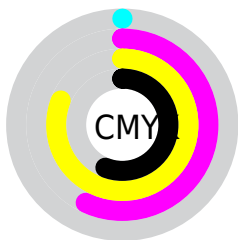
Blue (8%)



Red (44%)

Yellow (24%)

Blue (8%)

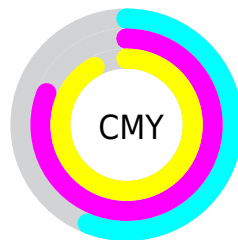


Cyan (0%)

Magenta (57%)

Yellow (81%)

Black (56%)



Cyan (56%)

Magenta (81%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 24.0031, 17.8121, 13.3500 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 24.0031, 17.8121, 13.3500 by changing the saturation by 10% instead.



■ 24.0031, 17.8121,  
13.3500

■ 24.0031, 17.8121,  
13.3500

■ 125.2749, 23.6206,  
34.5980

■ 16.4341, 16.5882,  
10.9991

■ 41.7551, 19.8183,  
18.8390

■ 9.8873, 15.2230,  
6.9211

■ 51.7839, 20.6341,  
21.3323

0.0000, INF, NaN

0.0000, NaN, NaN

■ 62.5076, 21.3430,  
23.7115

0.0000, NaN, NaN

■ 73.8837, 21.9565,  
26.0024

0.0000, NaN, NaN

■ 85.8768, 22.4839,  
28.2239


0.0000, NaN, NaN


0.0000, NaN, NaN


■ 98.4567, 22.9328,


30.3901


0.0000, NaN, NaN


 111.5970, 23.3099,  
32.5120


 24.0031, 17.8121,  
13.3500

 24.0031, 17.8121,  
13.3500


 22.6446, 20.7617,  
13.5876


 25.5529, 14.8778,  
12.7854

 21.6275, 23.1724,  
13.7325

 27.2739, 12.0353,  
11.9218

 29.1485, 9.3257,  
10.7978

 31.1596, 6.7704,  
9.4524

 33.2918, 4.3758,  
7.9210

■ 35.5313, 2.1385,  
6.2340

■ 37.8666, 0.0496,  
4.4164

■ 40.2873, -1.9023,  
2.4886

■ 42.7850, -3.7300,  
0.4670

# Harmonies

## Analogous

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



24.0038, 27.8677, 7.9459



24.0031, 17.8121, 13.3500



24.0038, 3.7570, 15.0558

# Triad

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



24.0038, 17.8102, 13.3503



24.0038, -21.5266, 5.4732



24.0038, 7.6100, -34.7585

# Complementary

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



24.0031, 17.8121, 13.3500



28.0144, -7.3664, -15.9306

# 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.



24.0038, -5.9370, -36.7545



24.0031, 17.8121, 13.3500



24.0038, -20.9331, -8.0234

# Square

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



24.0038, 17.8102, 13.3503



24.0038, -17.6539, 12.3842



24.0038, -15.8066, -25.1543



24.0038, 21.1520, -20.6342



# Rectangle

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



24.0031, 17.8121, 13.3500



24.0038, -5.1566, 15.0962



24.0038, -15.8066, -25.1543



24.0038, 2.8549, -37.0773

# Sweetspot

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



24.0038, 17.8102, 13.3503



46.5652, 3.8053, 9.0911



21.7009, 33.8631, -9.7444



21.9946, 2.2263, 4.6728



76.6170, -4.0881, 4.1627



26.1505, -1.3953, 1.4208



# Same Dimension

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



24.0038, 17.8102, 13.3503



28.8656, 31.3001, 18.1603



34.1721, -2.3336, 19.7848



18.8463, -0.2134, 1.9407



22.9639, 24.8773, 14.5858



49.9094, 59.3555, 31.7931



# Inverse Universe

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



28.0144, -7.3664, -15.9306



34.6565, -7.5840, -26.6379



16.8201, 13.3178, -44.4715



19.1106, -1.7475, 0.0979



27.5600, -6.1140, -21.2492



60.2202, -11.7001, -50.0129



# Previews

## White Background



This preview shows how the HunterLab color 24.0031, 17.8121, 13.3500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

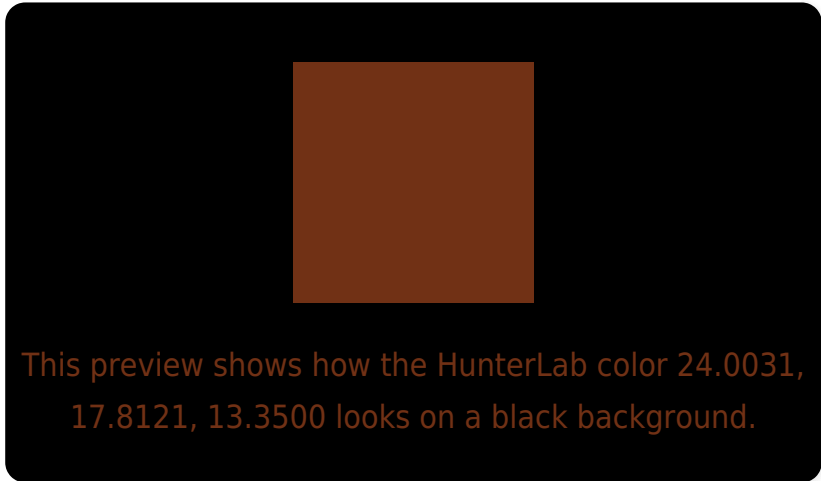
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

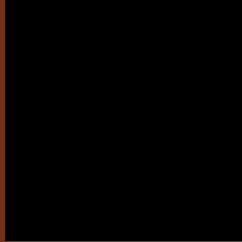
Any Text WCAG AA × Fail

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 24.0031, 17.8121, 13.3500 Background



This preview shows how black text looks on a background with the HunterLab color 24.0031, 17.8121, 13.3500.



This preview shows how white text looks on a background with the HunterLab color 24.0031, 17.8121,



# 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

24.0031, 17.8121, 13.3500

### Protanopia

24.3076, -3.0667, 12.5408

### Deuteranopia

24.1688, 1.3310, 13.8073



## Tritanopia

23.9857, 21.0641, 7.9660

# Trichromacy



## Original Color

24.0031, 17.8121, 13.3500

## Protanomaly

23.8429, 3.9720, 12.6126

## Deuteranomaly

23.7807, 7.0910, 13.4555

## Tritanomaly

23.9936, 19.9238, 10.3904

# Monochromacy



## Original Color

24.0031, 17.8121, 13.3500

## Achromatopsia

22.9914, -1.2268, 1.2492

## Achromatomaly

22.6793, 4.3710, 6.4550

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 24.0031, 17.8121, 13.3500 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(113, 49, 21)` looks like.

```
.text, #text, p{  
  color:rgb(113, 49, 21)  
}
```

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(113, 49, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 49, 21) }
```

## Border

The CSS property to change the border of an element to HunterLab 24.0031, 17.8121, 13.3500 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(113, 49, 21) }
```



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

```
.border{ border-color:rgb(113, 49, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 49, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 49, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 49, 21);  
box-shadow:4px 4px 4px 4px rgb(113, 49,  
21) }
```

# Background

The CSS property to change the background color of an element to HunterLab 24.0031, 17.8121, 13.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 49, 21) }
```

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

```
.background{ background-color: rgb(113, 49,  
21) }
```

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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