

# Converting Colors

HunterLab(19.8557, 1.9981,  
8.5703)

Have a look what the booklet for  
HunterLab(19.8557, 1.9981, 8.5703)  
contains.

<b>HunterLab(19.9488, 1.8296, 8.6737)</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(19.9488, 1.8296,  
8.6737)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47351E
RGB	71, 53, 30
RGB Percent	28%, 21%, 12%
CMY	0.7216, 0.7921, 0.8823
CMYK	0.00, 0.25, 0.58, 0.72
HSL	34°, 41%, 20%
HSV	34°, 58%, 28%
XYZ	4.1060, 3.9795, 1.7800
YIQ	55.7600, 18.1110, -3.3370

# Conversions

## Conversions Part 2

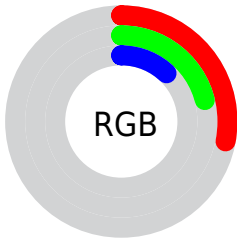
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 71, 30
Decimal	4666654
CIELab	23.60, 4.73, 17.52
CIELCh	24, 18.151, 74.883
Yxy	3.9797, 0.4162, 0.4034
Android (android.graphics.Color)	4282856734 (0xFF47351E)
YUV	55.7600, -12.6997, 13.3655
Hunter-Lab	19.9488, 1.8296, 8.6737

# Details

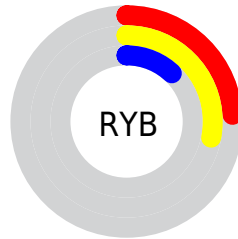
The HunterLab color **19.9488, 1.8296, 8.6737** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **16.8664, -0.6277, -10.5733**, and the grayscale version is **19.8424, -1.0587, 1.0781**.

A 20% lighter version of the original color is **36.7193, 1.7712, 12.1964**, and **6.3407, 2.9397, 3.9586** is the 20% darker color. If you saturate the color by 10%, you get **19.1637, 2.6773, 9.3636**, and if you desaturate by 10%, it is **20.7694, 1.0733, 7.7966**.

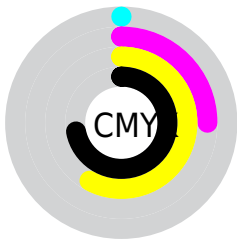
# Distribution



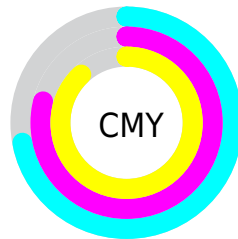
- Red (28%)
- Green (21%)
- Blue (12%)



- Red (24%)
- Yellow (28%)
- Blue (12%)



- Cyan (0%)
- Magenta (25%)
- Yellow (58%)
- Black (72%)



- Cyan (72%)
- Magenta (79%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 19.9488, 1.8296, 8.6737 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 19.9488, 1.8296, 8.6737 by changing the saturation by 10% instead.



■ 19.9488, 1.8296,  
8.6737

■ 19.9488, 1.8296,  
8.6737

■ 118.0979, -1.1713,  
22.9944

■ 12.8928, 1.8370,  
7.1174

■ 36.8324, 1.5507,  
12.2120

■ 6.3168, 2.9279,  
4.4218

■ 46.4802, 1.3091,  
13.8482

0.0000, NaN, NaN

■ 56.8484, 1.0106,  
15.4327

0.0000, NaN, NaN

■ 67.8901, 0.6609,  
16.9811

0.0000, NaN, NaN

■ 79.5665, 0.2646,  
18.5047


0.0000, NaN, NaN


■ 91.8448, -0.1747,


0.0000, NaN, NaN


0.0000, NaN, NaN

 104.6968, -0.6542,  
21.5062


 19.9488, 1.8296,  
8.6737

 19.9488, 1.8296,  
8.6737


 19.1637, 2.6773,  
9.3636

 20.7694, 1.0733,  
7.7966


 18.4146, 3.6191,  
9.8570

 21.6221, 0.4090,  
6.7421


 17.7037, 4.6504,  
10.1535

 22.5055, -0.1672,  
5.5218

 17.0206, 5.7056,  
10.4278

 23.4177, -0.6594,  
4.1474

 16.8698, 5.9422,  
10.4991

 24.3568, -1.0718,  
2.6302

■ 25.3214, -1.4091,  
0.9809

■ 26.3098, -1.6759,  
-0.7901

■ 27.3206, -1.8768,  
-2.6735

■ 28.3526, -2.0162,  
-4.6606

# Harmonies

## Analogous

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



19.9493, 7.1748, 7.0587



19.9488, 1.8296, 8.6737



19.9493, -3.7635, 8.6799

# Triad

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



19.9493, 1.8287, 8.6739



19.9493, -10.4640, -1.7362



19.9493, 7.1389, -7.6475

# Complementary

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



19.9488, 1.8296, 8.6737



16.8664, -0.6277, -10.5733

# 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.



19.9493, 1.7839, -11.6078



19.9488, 1.8296, 8.6737



19.9493, -8.1532, -7.6058

# Square

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



19.9493, 1.8287, 8.6739



19.9493, -10.4548, 3.5828



19.9493, -3.8036, -11.5908



19.9493, 10.4635, -1.7823



# Rectangle

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



19.9488, 1.8296, 8.6737



19.9493, -6.8721, 7.8071



19.9493, -3.8036, -11.5908



19.9493, 5.4920, -9.3094

# Sweetspot

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



19.9493, 1.8287, 8.6739



30.4607, -0.8624, 5.3770



15.7649, 13.2370, -0.7548



15.3528, -0.4154, 2.7825



64.8100, -3.4581, 3.5212



16.4960, -0.8802, 0.8963



# Same Dimension

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



19.9493, 1.8287, 8.6739



24.5300, 3.9487, 12.4590



24.2148, -5.9734, 11.8089



12.7528, -0.5462, 1.4525



23.4231, 9.2989, 14.5960



56.2007, 26.4510, 35.0937



# Inverse Universe

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



16.8664, -0.6277, -10.5733



19.6891, 0.3714, -18.2136



13.0055, 7.4200, -19.0325



12.4961, -0.7702, -0.1191



16.3871, 5.7616, -32.9201



38.1918, 19.0667, -88.8960



# Previews

## White Background



This preview shows how the HunterLab color 19.9488, 1.8296, 8.6737 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

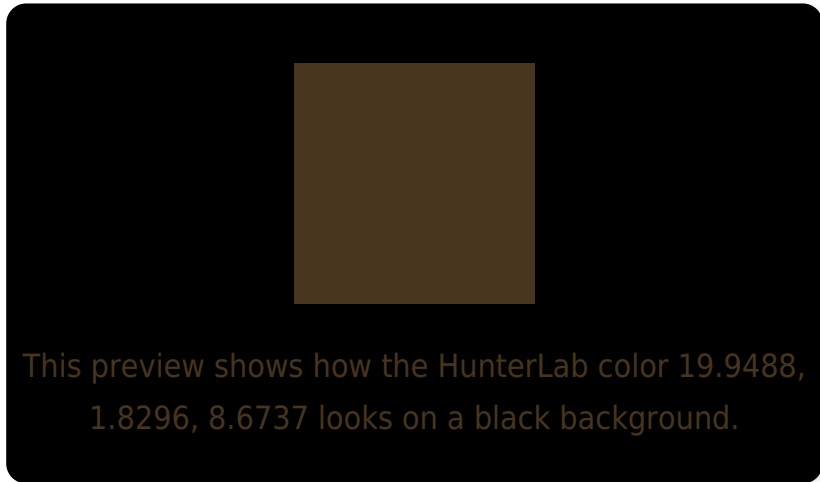
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

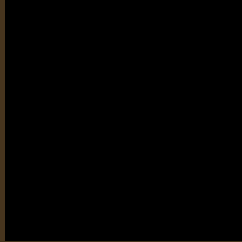
Any Text WCAG AA × Fail

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 19.9488, 1.8296, 8.6737 Background



This preview shows how black text looks on a background with the HunterLab color 19.9488, 1.8296, 8.6737.



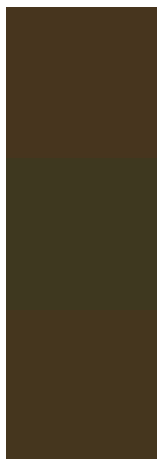
This preview shows how white text looks on a background with the HunterLab color 19.9488, 1.8296,



# 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

19.9488, 1.8296, 8.6737

### Protanopia

19.8782, -2.0279, 8.3468

### Deuteranopia

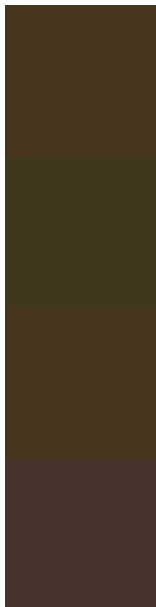
19.9932, 0.7933, 8.6911



## Tritanopia

19.9098, 5.9873, 1.9801

# Trichromacy



## Original Color

19.9488, 1.8296, 8.6737

## Protanomaly

19.8875, -0.7547, 8.3767

## Deuteranomaly

20.0852, 1.1041, 8.7699

## Tritanomaly

19.8364, 4.2499, 4.8771

# Monochromacy



## Original Color

19.9488, 1.8296, 8.6737

## Achromatopsia

19.8862, -1.0611, 1.0805

## Achromatomaly

19.8235, -0.4404, 4.1640

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 19.9488, 1.8296, 8.6737 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(71, 53, 30)` looks like.

```
.text, #text, p{  
    color:rgb(71, 53, 30)  
}
```

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(71, 53, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 53, 30) }
```

## Border

The CSS property to change the border of an element to HunterLab 19.9488, 1.8296, 8.6737 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(71, 53, 30) }
```



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

```
.border{ border-color:rgb(71, 53, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 53, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 53, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 53, 30);  
box-shadow:4px 4px 4px 4px rgb(71, 53, 30)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 19.9488, 1.8296, 8.6737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 53, 30) }
```

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

```
.background{ background-color: rgb(71, 53,  
30) }
```

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