

# Converting Colors

HunterLab(19.3946, 20.8010,  
12.3150)

Have a look what the booklet for  
HunterLab(19.3946, 20.8010,  
12.3150) contains.

<b>HunterLab(19.3735, 20.8599, 12.3031)</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(19.3735, 20.8599,  
12.3031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	661E00
RGB	102, 30, 0
RGB Percent	40%, 12%, 0%
CMY	0.6000, 0.8823, 1.0000
CMYK	0.00, 0.71, 1.00, 0.60
HSL	18°, 100%, 20%
HSV	18°, 100%, 40%
XYZ	5.9438, 3.7533, 0.4112
YIQ	48.1080, 52.5420, 5.9340

# Conversions

## Conversions Part 2

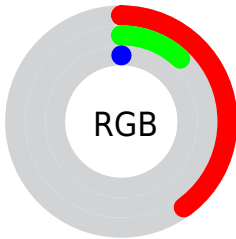
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	102, 43, 0
Decimal	6692352
CIE Lab	22.84, 31.05, 33.50
CIE LCh	23, 45.675, 47.168
Yxy	3.7535, 0.5880, 0.3713
Android (android.graphics.Color)	4284882432 (0xFF661E00)
YUV	48.1080, -23.7172, 47.2633
Hunter-Lab	19.3735, 20.8599, 12.3031

# Details

The HunterLab color **19.3735, 20.8599, 12.3031** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **23.6503, -5.7995, -17.0413**, and the grayscale version is **17.2928, -0.9227, 0.9396**.

A 20% lighter version of the original color is **36.0901, 23.5724, 18.2331**, and **7.9270, 13.5753, 5.1223** is the 20% darker color. If you saturate the color by 10%, you get **19.3741, 20.8580, 12.3034**, and if you desaturate by 10%, it is **20.4524, 18.3480, 12.0748**.

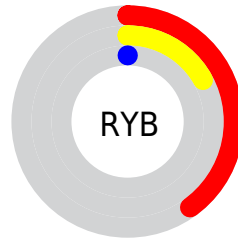
# Distribution



Red (40%)

Green (12%)

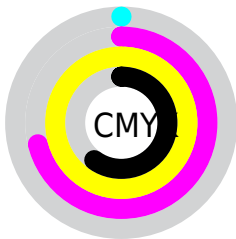
Blue (0%)



Red (40%)

Yellow (17%)

Blue (0%)

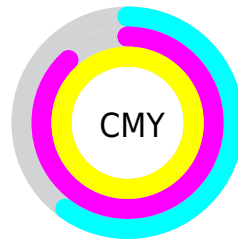


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (60%)



Cyan (60%)

Magenta (88%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 19.3735, 20.8599, 12.3031 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 19.3735, 20.8599, 12.3031 by changing the saturation by 10% instead.



■ 19.3735, 20.8599,  
12.3031

■ 19.3735, 20.8599,  
12.3031

■ 117.0539, 28.9584,  
35.6600

■ 12.3963, 19.3637,  
8.6774

■ 36.1256, 23.4518,  
18.2794

■ 5.6065, 24.4339,  
3.9246

■ 45.7160, 24.5459,  
21.0871

0.0000, INF, NaN

0.0000, NaN, NaN

■ 56.0309, 25.5202,  
23.7422

0.0000, NaN, NaN

■ 67.0226, 26.3866,  
26.2790

0.0000, NaN, NaN

■ 78.6516, 27.1554,  
28.7225


0.0000, NaN, NaN


0.0000, NaN, NaN


■ 90.8849, 27.8354,


31.0915


0.0000, NaN, NaN


 103.6939, 28.4343,  
33.4003


 19.3735, 20.8599,  
12.3031


 19.3735, 20.8599,  
12.3031

 19.3741, 20.8580,  
12.3034

 20.4524, 18.3480,  
12.0748

 21.6986, 15.7051,  
11.7857

 23.1134, 13.0850,  
11.2166

 24.6803, 10.5474,  
10.3967

 26.3827, 8.1281,  
9.3607

■ 28.2055, 5.8443,  
8.1425

■ 30.1349, 3.7006,  
6.7723

■ 32.1589, 1.6936,  
5.2753

■ 34.2672, -0.1849,  
3.6725

# Harmonies

## Analogous

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



19.3741, 31.9532, 7.1902



19.3735, 20.8599, 12.3031



19.3741, 5.3095, 13.5619

# Triad

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



19.3741, 20.8580, 12.3034



19.3741, -20.9074, 5.9209



19.3741, 7.5635, -42.7950

# Complementary

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



19.3735, 20.8599, 12.3031



23.6503, -5.7995, -17.0413

# 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.



19.3741, -6.6550, -44.1736



19.3735, 20.8599, 12.3031



19.3741, -20.6214, -8.1231

# Square

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



19.3741, 20.8580, 12.3034



19.3741, -17.0805, 11.7804



19.3741, -16.1424, -28.6677



19.3741, 22.9063, -25.6599



# Rectangle

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



19.3735, 20.8599, 12.3031



19.3741, -4.2790, 13.5619



19.3741, -16.1424, -28.6677



19.3741, 2.4381, -45.3995

# Sweetspot

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



19.3741, 20.8580, 12.3034



39.6827, 5.1379, 9.1319



18.1855, 33.7956, -8.8098



18.9042, 2.8937, 4.7014



73.3645, -3.9145, 3.9860



23.4461, -1.2510, 1.2739



# Same Dimension

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



19.3741, 20.8580, 12.3034



25.3091, 28.6037, 16.0961



29.2359, -0.2384, 18.0109



17.2205, -0.1898, 1.7441



21.8129, 24.0400, 13.8619



48.4369, 58.8617, 30.8771



# Inverse Universe

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



23.6503, -5.7995, -17.0413



31.0093, -7.2213, -23.1702



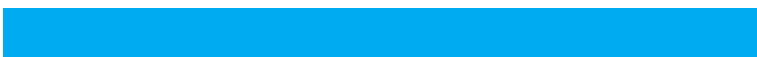
12.3974, 16.9937, -52.1801



17.4820, -1.6050, 0.1222



26.6760, -6.3863, -19.5565

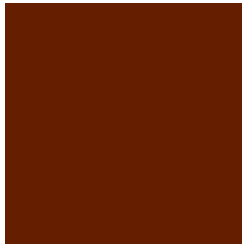


59.6216, -12.6491, -47.2161



# Previews

## White Background



This preview shows how the HunterLab color 19.3735, 20.8599, 12.3031 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

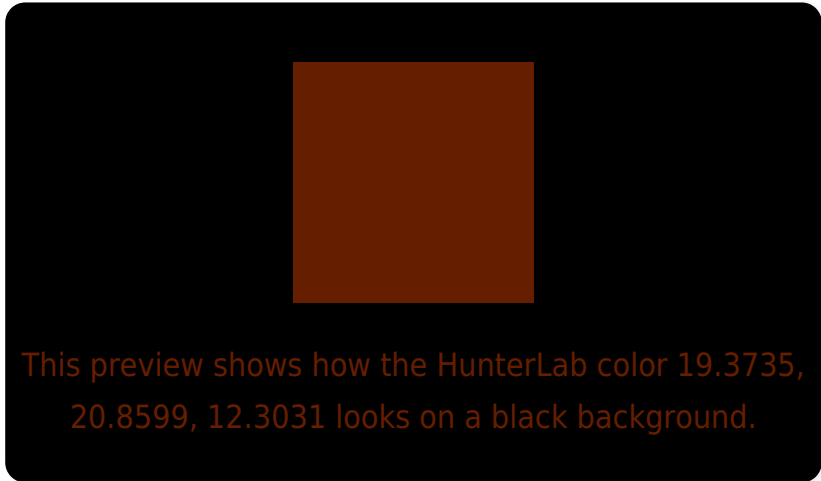
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

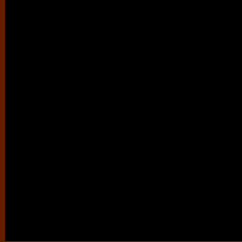
Any Text WCAG AA × Fail

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 19.3735, 20.8599, 12.3031 Background



This preview shows how black text looks on a background with the HunterLab color 19.3735, 20.8599, 12.3031.



This preview shows how white text looks on a background with the HunterLab color 19.3735, 20.8599, 12.3031.



# 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

19.3735, 20.8599, 12.3031

### Protanopia

19.7719, -2.7819, 11.1852

### Deuteranopia

19.7124, 0.5617, 12.1565



## Tritanopia

19.3494, 22.5639, 8.7562

# Trichromacy



## Original Color

19.3735, 20.8599, 12.3031

## Protanomaly

19.0425, 5.2529, 11.2000

## Deuteranomaly

19.1588, 7.6344, 11.9392

## Tritanomaly

19.3576, 21.7096, 10.5554

# Monochromacy



## Original Color

19.3735, 20.8599, 12.3031

## Achromatopsia

17.1921, -0.9173, 0.9341

## Achromatomaly

17.0697, 5.9348, 6.1195

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 19.3735, 20.8599, 12.3031 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(102, 30, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 30, 0)  
}
```

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(102, 30, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 30, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 19.3735, 20.8599, 12.3031 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(102, 30, 0) }
```



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

```
.border{ border-color:rgb(102, 30, 0) }
```

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

Here you see how a box with a 4 pixel rgb(102, 30, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 30, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 30, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 30, 0)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 19.3735, 20.8599, 12.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 30, 0) }
```

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

```
.background{ background-color: rgb(102, 30,  
0) }
```

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**