

Converting Colors

HunterLab(16.7735, 29.5327,
4.5791)

Have a look what the booklet for
HunterLab(16.7735, 29.5327,
4.5791) contains.

HunterLab(16.6920, 29.3857, 4.5830)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**HunterLab(16.6920, 29.3857,
4.5830)**

Conversions

Conversions Part 1

Format	Color
Hex	630025
RGB	99, 0, 37
RGB Percent	39%, 0%, 15%
CMY	0.6118, 1.0000, 0.8549
CMYK	0.00, 1.00, 0.63, 0.61
HSL	338°, 100%, 19%
HSV	338°, 100%, 39%
XYZ	5.4795, 2.7862, 1.9993
YIQ	33.8190, 47.1270, 32.4950

Conversions

Conversions Part 2

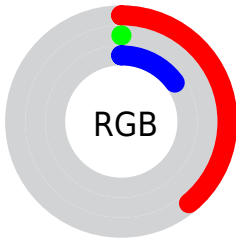
Format	Color
R_{YB}	99, 0, 37
Decimal	6488101
CIE Lab	19.17, 41.57, 7.87
CIE LCh	19, 42.310, 10.719
Yxy	2.7864, 0.5338, 0.2714
Android (android.graphics.Color)	4284678181 (0xFF630025)
YUV	33.8190, 1.5682, 57.1637
Hunter-Lab	16.6920, 29.3857, 4.5830

Details

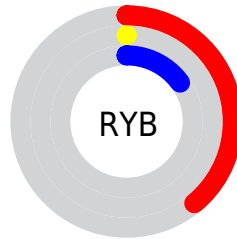
The HunterLab color **16.6920, 29.3857, 4.5830** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **30.4493, -22.0310, 9.5006**, and the grayscale version is **12.5766, -0.6711, 0.6833**.

A 20% lighter version of the original color is **32.8548, 32.7932, 6.7709**, and **8.1077, 13.9388, 4.8200** is the 20% darker color. If you saturate the color by 10%, you get **16.6919, 29.3853, 4.5844**, and if you desaturate by 10%, it is **17.4460, 27.7163, 3.4023**.

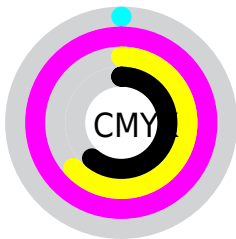
Distribution



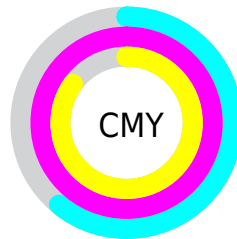
- Red (39%)
- Green (0%)
- Blue (15%)



- Red (39%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (61%)



- Cyan (61%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 16.6920, 29.3857, 4.5830 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 16.6920, 29.3857, 4.5830 by changing the saturation by 10% instead.

16.6920, 29.3857,
4.5830

16.6920, 29.3857,
4.5830

112.0855, 41.4465,
13.7317

10.1057, 27.6906,
3.8187

32.7971, 32.8316,
6.6176

0.0000, INF, NaN

0.0000, NaN, NaN

42.1073, 34.3957,
7.6130

0.0000, NaN, NaN

52.1623, 35.8375,
8.6086

0.0000, NaN, NaN

0.0000, NaN, NaN

62.9104, 37.1621,
9.6103

0.0000, NaN, NaN


74.3096, 38.3775,
10.6214


0.0000, NaN, NaN


86.3245, 39.4917,


0.0000, NaN, NaN


11.6444


 98.9252, 40.5125,
12.6808


 16.6920, 29.3857,
4.5830


 16.6920, 29.3857,
4.5830


 16.6919, 29.3853,
4.5844

 17.4460, 27.7163,
3.4023

 18.3613, 25.7618,
2.2383

 19.6167, 23.0571,
1.3370

 21.1887, 19.8287,
0.7304

 23.0422, 16.2945,
0.4107

■ 25.1394, 12.6213,
0.3475

■ 27.4447, 8.9185,
0.5022

■ 29.9272, 5.2488,
0.8368

■ 32.5612, 1.6429,
1.3184

Harmonies

Analogous

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



16.6925, 27.9084, -8.3886



16.6920, 29.3857, 4.5830



16.6925, 21.1527, 10.3324

Triad

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



16.6925, 29.3837, 4.5834



16.6925, -13.7158, 11.4416



16.6925, -8.0226, -37.4900

Complementary

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



16.6920, 29.3857, 4.5830



30.4493, -22.0310, 9.5006

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.



16.6925, -15.3310, -21.5234



16.6920, 29.3857, 4.5830



16.6925, -17.8964, 6.7731

Square

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



16.6925, 29.3837, 4.5834



16.6925, -5.0773, 11.6848



16.6925, -18.3862, -3.8553



16.6925, 3.7521, -39.9274

Rectangle

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



16.6920, 29.3857, 4.5830



16.6925, 12.3625, 11.6848



16.6925, -18.3862, -3.8553



16.6925, -10.9788, -33.1741

Sweetspot

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



16.6925, 29.3837, 4.5834



35.6752, 12.0995, 0.6303



13.7653, 30.1141, -41.8346



16.9666, 6.5683, 0.2695



72.2857, -3.8570, 3.9274



22.5557, -1.2035, 1.2255

Same Dimension

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



16.6925, 29.3837, 4.5834



21.8197, 38.3315, 6.6219



17.0441, 25.3836, 10.9460



16.1373, 0.6075, 0.6781



19.0382, 33.4788, 5.5167



43.8221, 76.7145, 15.3875

Inverse Universe

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



16.6925, 29.3837, 4.5834



21.8197, 38.3315, 6.6219



27.9115, -12.4114, -8.0933



16.1373, 0.6075, 0.6781



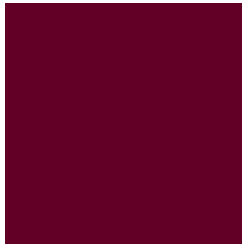
19.0382, 33.4788, 5.5167



43.8221, 76.7145, 15.3875

Previews

White Background



This preview shows how the HunterLab color 16.6920, 29.3857, 4.5830 looks on a white background.

Color Contrast Check

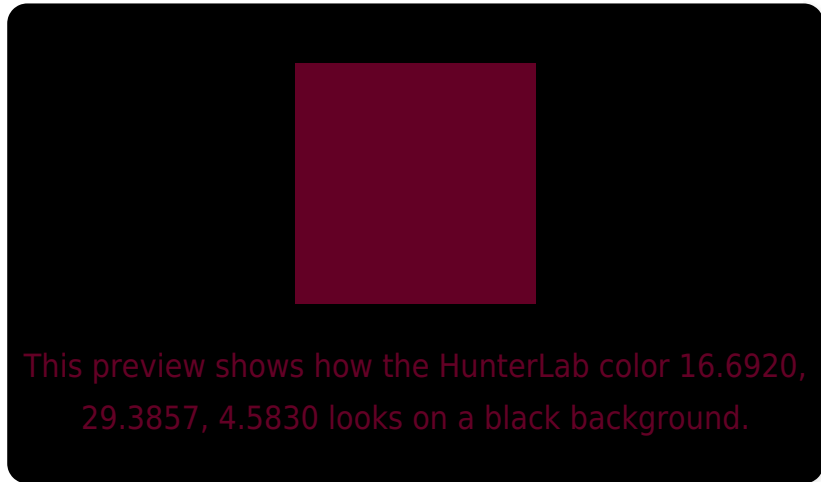
Large Text (above 18pt) WCAG AA ✓ Pass

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

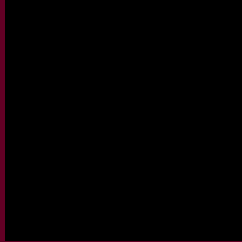
Any Text WCAG AA × Fail

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 16.6920, 29.3857, 4.5830 Background



This preview shows how black text looks on a background with the HunterLab color 16.6920, 29.3857, 4.5830.



This preview shows how white text looks on a background with the HunterLab color 16.6920, 29.3857,

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

16.6920, 29.3857, 4.5830

Protanopia

18.0315, -0.1574, -0.3675

Deuteranopia

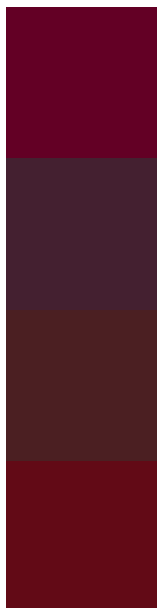
18.1619, 0.6235, 6.5050



Tritanopia

17.2338, 24.6024, 9.6207

Trichromacy



Original Color

16.6920, 29.3857, 4.5830

Protanomaly

15.7333, 11.4257, -0.6429

Deuteranomaly

16.0976, 12.6395, 4.5665

Tritanomaly

16.9460, 26.0702, 8.2427

Monochromacy



Original Color

16.6920, 29.3857, 4.5830

Achromatopsia

12.6476, -0.6748, 0.6872

Achromatomaly

12.6282, 10.9089, 0.5068

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 16.6920, 29.3857, 4.5830 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(99, 0, 37)` looks like.

```
.text, #text, p{  
    color:rgb(99, 0, 37)  
}
```

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(99, 0, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 0, 37) }
```

Border

The CSS property to change the border of an element to HunterLab 16.6920, 29.3857, 4.5830 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(99, 0, 37) }
```


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

```
.border{ border-color:rgb(99, 0, 37) }
```

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

Here you see how a box with a 4 pixel rgb(99, 0, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 0, 37); -webkit-box-shadow:4px  
4px 4px 4px rgb(99, 0, 37); box-shadow:4px  
4px 4px 4px rgb(99, 0, 37) }
```

Background

The CSS property to change the background color of an element to HunterLab 16.6920, 29.3857, 4.5830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 0, 37) }
```

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

```
.background{ background-color: rgb(99, 0,  
37) }
```

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