

# Converting Colors

HunterLab(16.9969, 29.4853,  
8.0561)

Have a look what the booklet for  
HunterLab(16.9969, 29.4853,  
8.0561) contains.

<b>HunterLab(17.0021, 29.5046, 7.9797)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(17.0021, 29.5046,  
7.9797)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	660018
RGB	102, 0, 24
RGB Percent	40%, 0%, 9%
CMY	0.6000, 1.0000, 0.9059
CMYK	0.00, 1.00, 0.76, 0.60
HSL	346°, 100%, 20%
HSV	346°, 100%, 40%
XYZ	5.6443, 2.8907, 1.1246
YIQ	33.2340, 53.0880, 29.0880

# Conversions

## Conversions Part 2

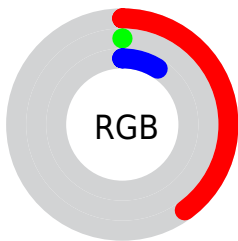
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 0, 24
Decimal	6684696
CIE <sub>Lab</sub>	19.60, 41.62, 17.83
CIE <sub>LCh</sub>	20, 45.275, 23.187
Yxy	2.8909, 0.5843, 0.2993
Android (android.graphics.Color)	4284874776 (0xFF660018)
YUV	33.2340, -4.5524, 60.3078
Hunter-Lab	17.0021, 29.5046, 7.9797

# Details

The HunterLab color **17.0021, 29.5046, 7.9797** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **31.7063, -20.9929, 5.6885**, and the grayscale version is **12.4095, -0.6621, 0.6742**.

A 20% lighter version of the original color is **33.1781, 33.0066, 11.5326**, and **8.2613, 14.2008, 4.9270** is the 20% darker color. If you saturate the color by 10%, you get **17.0020, 29.5041, 7.9809**, and if you desaturate by 10%, it is **17.7470, 27.7645, 6.9038**.

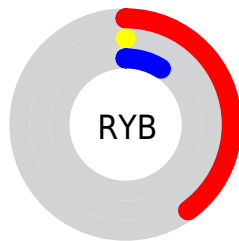
# Distribution



Red (40%)

Green (0%)

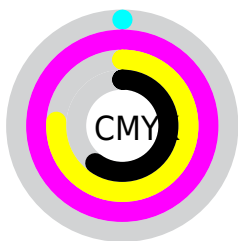
Blue (9%)



Red (40%)

Yellow (0%)

Blue (9%)

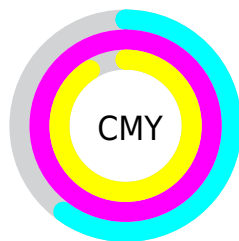


Cyan (0%)

Magenta (100%)

Yellow (76%)

Black (60%)



Cyan (60%)

Magenta (100%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 17.0021, 29.5046, 7.9797 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 17.0021, 29.5046, 7.9797 by changing the saturation by 10% instead.



17.0021, 29.5046,  
7.9797

17.0021, 29.5046,  
7.9797

112.6693, 41.5414,  
22.6568

10.3684, 27.7986,  
7.2579

33.1851, 32.9464,  
11.6727

0.0000, INF, NaN

0.0000, NaN, NaN

42.5289, 34.5069,  
13.3577

0.0000, NaN, NaN

52.6149, 35.9451,  
14.9805

0.0000, NaN, NaN

0.0000, NaN, NaN

63.3921, 37.2665,  
16.5601

0.0000, NaN, NaN


74.8187, 38.4791,  
18.1096


0.0000, NaN, NaN


0.0000, NaN, NaN


86.8597, 39.5908,


19.6380


 99.4852, 40.6093,  
21.1520


 17.0021, 29.5046,  
7.9797


 17.0021, 29.5046,  
7.9797


 17.0020, 29.5041,  
7.9809

 17.7470, 27.7645,  
6.9038

 18.6819, 25.7160,  
5.7031

 19.9823, 22.9209,  
4.6080

 21.6222, 19.6205,  
3.6860

 23.5629, 16.0427,  
2.9660

■ 25.7623, 12.3577,  
2.4475

■ 28.1818, 8.6727,  
2.1133

■ 30.7878, 5.0460,  
1.9398

■ 33.5526, 1.5036,  
1.9029

# Harmonies

## Analogous

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



17.0026, 32.5960, -2.2155



17.0021, 29.5046, 7.9797



17.0026, 17.2553, 11.9018

# Triad

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



17.0026, 29.5025, 7.9801



17.0026, -16.9010, 10.2766



17.0026, -3.8324, -45.1656

# Complementary

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



17.0021, 29.5046, 7.9797



31.7063, -20.9929, 5.6885

# 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.



17.0026, -13.6620, -32.2618



17.0021, 29.5046, 7.9797



17.0026, -19.5584, 3.5622

# Square

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



17.0026, 29.5025, 7.9801



17.0026, -9.8383, 11.9018



17.0026, -18.5883, -11.6833



17.0026, 10.3575, -39.9596



# Rectangle

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



17.0021, 29.5046, 7.9797



17.0026, 7.1255, 11.9018



17.0026, -18.5883, -11.6833



17.0026, -7.6812, -42.6037

# Sweetspot

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



17.0026, 29.5025, 7.9801



37.0324, 11.9074, 2.8282



15.8639, 33.2112, -36.6236



17.5192, 6.4783, 1.4282



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.



17.0026, 29.5025, 7.9801



22.4811, 38.9441, 11.0807



18.8199, 22.4369, 11.9887



16.8998, 0.5641, 0.9514



19.2536, 33.3832, 9.2567



43.8369, 75.7456, 23.1056



# Inverse Universe

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



17.0026, 29.5025, 7.9801



22.4811, 38.9441, 11.0807



24.8951, -7.5905, -14.7298



16.8998, 0.5641, 0.9514



19.2536, 33.3832, 9.2567

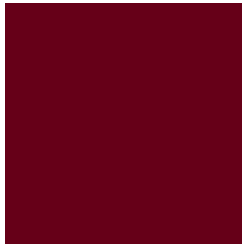


43.8369, 75.7456, 23.1056



# Previews

## White Background



This preview shows how the HunterLab color 17.0021, 29.5046, 7.9797 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

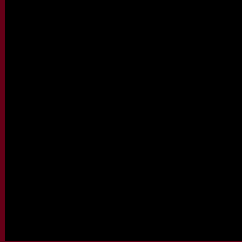
Any Text WCAG AA × Fail

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 17.0021, 29.5046, 7.9797 Background



This preview shows how black text looks on a background with the HunterLab color 17.0021, 29.5046, 7.9797.



This preview shows how white text looks on a background with the HunterLab color 17.0021, 29.5046,



# 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

17.0021, 29.5046, 7.9797

### Protanopia

18.5044, -1.7330, 6.0241

### Deuteranopia

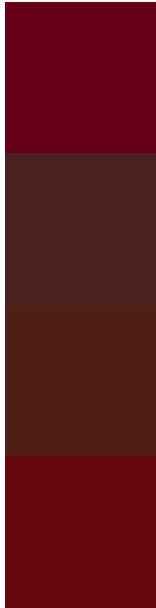
18.3415, 0.8692, 9.4673



## Tritanopia

17.4723, 26.7915, 10.7482

# Trichromacy



## Original Color

17.0021, 29.5046, 7.9797

## Protanomaly

16.1507, 10.9958, 5.1280

## Deuteranomaly

16.2794, 12.7183, 7.8436

## Tritanomaly

17.2672, 27.7858, 9.9321

# Monochromacy



## Original Color

17.0021, 29.5046, 7.9797

## Achromatopsia

12.3323, -0.6580, 0.6700

## Achromatomaly

12.3677, 10.7930, 1.9215

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 17.0021, 29.5046, 7.9797 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, 0, 24)` looks like.

```
.text, #text, p{  
    color:rgb(102, 0, 24)  
}
```

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, 0, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 0, 24) }
```

## Border

The CSS property to change the border of an element to HunterLab 17.0021, 29.5046, 7.9797 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, 0, 24) }
```



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

```
.border{ border-color:rgb(102, 0, 24) }
```

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

Here you see how a box with a 4 pixel rgb(102, 0, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(102, 0, 24)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 17.0021, 29.5046, 7.9797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 0, 24) }
```

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

```
.background{ background-color: rgb(102, 0,  
24) }
```

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