

# Converting Colors

HunterLab(15.8704, -0.2500,  
0.6587)

Have a look what the booklet for  
HunterLab(15.8704, -0.2500, 0.6587)  
contains.

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# Color

**HunterLab(15.9647, -0.4720,  
0.6091)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D2C2D
RGB	45, 44, 45
RGB Percent	18%, 17%, 18%
CMY	0.8235, 0.8274, 0.8235
CMYK	0.00, 0.02, 0.00, 0.82
HSL	300°, 1%, 17%
HSV	300°, 2%, 18%
XYZ	2.4565, 2.5487, 2.8451
YIQ	44.4130, 0.2750, 0.5230

# Conversions

## Conversions Part 2

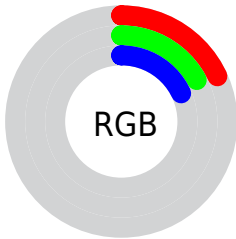
Format	Color
R <sub>Y</sub> B	45, 44, 45
Decimal	2960429
CIE Lab	18.14, 0.69, -0.49
CIE LCh	18, 0.843, 324.433
Yxy	2.5488, 0.3129, 0.3247
Android (android.graphics.Color)	4281150509 (0xFF2D2C2D)
YUV	44.4130, 0.2894, 0.5148
Hunter-Lab	15.9647, -0.4720, 0.6091

# Details

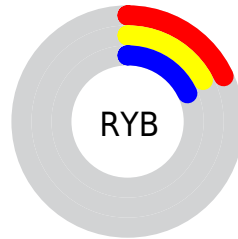
The HunterLab color **15.9647, -0.4720, 0.6091** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16.1064, -1.2355, 1.1309**, and the grayscale version is **16.0053, -0.8540, 0.8696**.

A 20% lighter version of the original color is **31.8186, -0.8450, 1.1489**, and **0.0000, NaN, NaN** is the 20% darker color. If you saturate the color by 10%, you get **14.9383, 1.3164, -0.6256**, and if you desaturate by 10%, it is **17.0368, -2.2228, 1.8190**.

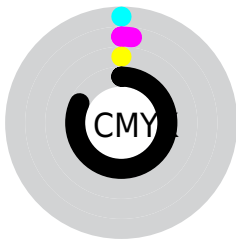
# Distribution



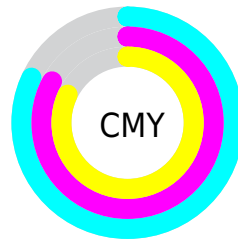
- Red (18%)
- Green (17%)
- Blue (18%)



- Red (18%)
- Yellow (17%)
- Blue (18%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (82%)



- Cyan (82%)
- Magenta (83%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 15.9647, -0.4720, 0.6091 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 15.9647, -0.4720, 0.6091 by changing the saturation by 10% instead.



■ 15.9647, -0.4720,  
0.6091

■ 15.9647, -0.4720,  
0.6091

■ 110.7057, -5.1901,  
5.5338

■ 9.4922, -0.1866,  
0.2976

■ 31.8835, -1.2248,  
1.4095

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 41.1137, -1.6757,  
1.8834

0.0000, NaN, NaN

■ 51.0945, -2.1699,  
2.4003

0.0000, NaN, NaN

■ 61.7734, -2.7039,  
2.9569

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 73.1073, -3.2750,  
3.5505

0.0000, NaN, NaN

■ 85.0603, -3.8810,

0.0000, NaN, NaN

4.1791

97.6019, -4.5199,  
4.8407

15.9647, -0.4720,  
0.6091

15.9647, -0.4720,  
0.6091

14.9383, 1.3164,  
-0.6256

17.0368, -2.2228,  
1.8190

13.9624, 3.1406,  
-1.8836

18.1486, -3.9349,  
3.0034

13.0441, 4.9921,  
-3.1593

19.2962, -5.6106,  
4.1636

12.1910, 6.8556,  
-4.4419

20.4763, -7.2527,  
5.3016

11.4118, 8.7056,  
-5.7139

21.6856, -8.8644,  
6.4194

■ 10.7158, 10.5034,  
-6.9489

■ 22.9217, -10.4491,  
7.5193

■ 10.1124, 12.1957,  
-8.1106

■ 24.1823, -12.0100,  
8.6035

■ 9.5971, 13.7581,  
-9.1823

■ 25.4655, -13.5501,  
9.6740

■ 9.0739, 15.4745,  
-10.3589

■ 26.7697, -15.0721,  
10.7325

# Harmonies

## Analogous

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



15.9650, -0.6598, 0.4607



15.9647, -0.4720, 0.6091



15.9650, -0.3869, 0.8260

# Triad

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



15.9650, -0.4724, 0.6094



15.9650, -0.8075, 1.3034



15.9650, -1.2742, 0.6848

# Complementary

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



15.9647, -0.4720, 0.6091



16.1064, -1.2355, 1.1309

# 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.



15.9650, -1.3133, 0.9119



15.9647, -0.4720, 0.6091



15.9650, -1.0448, 1.2669

# Square

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



15.9650, -0.4724, 0.6094



15.9650, -0.5811, 1.2250



15.9650, -1.2295, 1.1244



15.9650, -1.1225, 0.5047



# Rectangle

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



15.9647, -0.4720, 0.6091



15.9650, -0.3995, 0.9790



15.9650, -1.2295, 1.1244



15.9650, -1.3009, 0.7583

# Sweetspot

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



15.9650, -0.4724, 0.6094



20.6490, -0.8699, 0.9642



15.8948, -0.7158, 0.5210



11.5129, -0.5046, 0.5509



58.5142, -3.1222, 3.1792



11.5809, -0.6179, 0.6292



# Same Dimension

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



15.9650, -0.4724, 0.6094



20.3635, -0.3891, 0.6321



15.9531, -0.5378, 0.7802



9.0458, -0.1647, 0.2753



16.4164, 32.2751, -21.6504



43.8077, 86.1266, -57.7742



# Inverse Universe

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



15.9650, -0.4724, 0.6094



20.3635, -0.3891, 0.6321



16.1181, -1.1710, 0.9634



9.0458, -0.1647, 0.2753



16.4164, 32.2751, -21.6504

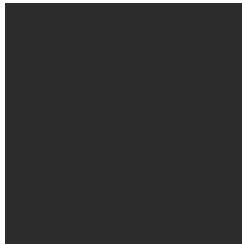


43.8077, 86.1266, -57.7742



# Previews

## White Background



This preview shows how the HunterLab color 15.9647, -0.4720, 0.6091 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

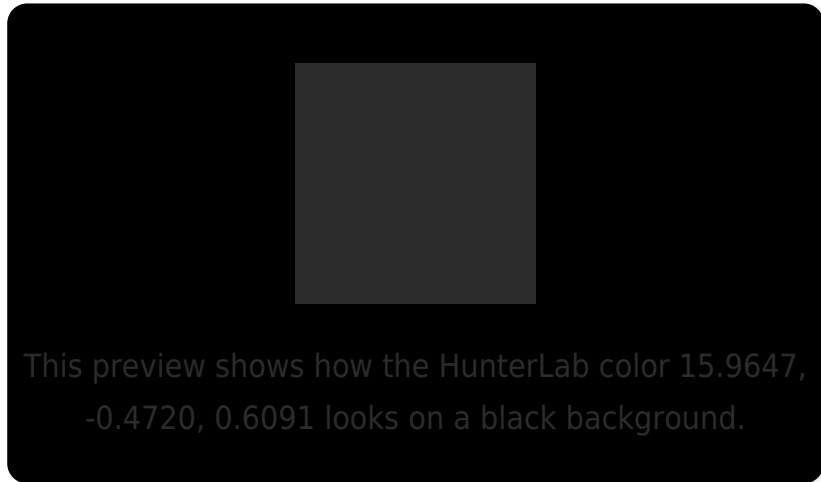
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

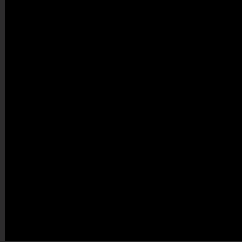
Any Text WCAG AA × Fail

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 15.9647, -0.4720, 0.6091 Background



This preview shows how black text looks on a background with the HunterLab color 15.9647, -0.4720, 0.6091.



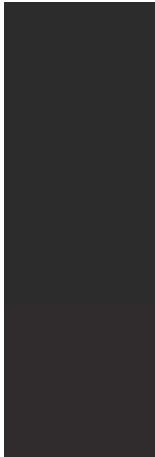
This preview shows how white text looks on a background with the HunterLab color 15.9647, -0.4720,

0.6091.

# 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

15.9647, -0.4720, 0.6091

### Protanopia

15.9647, -0.4720, 0.6091

### Deuteranopia

15.9549, 0.6799, 0.6176



**Tritanopia**

16.0140, -0.2034, -0.0927

# Trichromacy



## Original Color

15.9647, -0.4720, 0.6091

## Protanomaly

15.9647, -0.4720, 0.6091

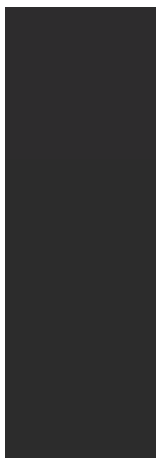
## Deuteranomaly

15.8794, 0.4239, 0.5227

## Tritanomaly

15.9891, -0.3390, 0.2617

# Monochromacy



## Original Color

15.9647, -0.4720, 0.6091

## Achromatopsia

15.8704, -0.8468, 0.8623

## Achromatomaly

15.8704, -0.8468, 0.8623

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 15.9647, -0.4720, 0.6091 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(45, 44, 45)` looks like.

```
.text, #text, p{  
    color:rgb(45, 44, 45)  
}
```

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(45, 44, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 44, 45) }
```

## Border

The CSS property to change the border of an element to HunterLab 15.9647, -0.4720, 0.6091 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(45, 44, 45) }
```



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

```
.border{ border-color:rgb(45, 44, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 44, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 44, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 44, 45);  
box-shadow:4px 4px 4px 4px rgb(45, 44, 45)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 15.9647, -0.4720, 0.6091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 44, 45) }
```

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

```
.background{ background-color: rgb(45, 44,  
45) }
```

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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