

# Converting Colors

HunterLab(18.7594, -5.2485,  
4.7423)

Have a look what the booklet for  
HunterLab(18.7594, -5.2485, 4.7423)  
contains.

<b>HunterLab(18.8317, -5.4995, 4.9029)</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(18.8317, -5.4995,  
4.9029)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D3829
RGB	45, 56, 41
RGB Percent	18%, 22%, 16%
CMY	0.8235, 0.7804, 0.8392
CMYK	0.20, 0.00, 0.27, 0.78
HSL	104°, 15%, 19%
HSV	104°, 27%, 22%
XYZ	2.8966, 3.5463, 2.6297
YIQ	51.0010, -1.7410, -6.9970

# Conversions

## Conversions Part 2

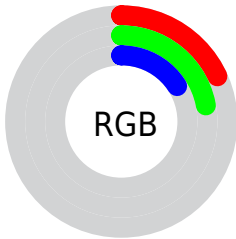
Format	Color
<a href="#">RYB</a>	<a href="#">41, 56, 52</a>
Decimal	<a href="#">2963497</a>
CIELab	<a href="#">22.11, -8.09, 7.90</a>
CIElCh	<a href="#">22, 11.309, 135.703</a>
Yxy	<a href="#">3.5465, 0.3193, 0.3909</a>
Android (android.graphics.Color)	<a href="#">4281153577 (0xFF2D3829)</a>
YUV	<a href="#">51.0010, -4.9305, -5.2629</a>
Hunter-Lab	<a href="#">18.8317, -5.4995, 4.9029</a>

# Details

The HunterLab color **18.8317, -5.4995, 4.9029** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16.1294, 4.1225, -3.7426**, and the grayscale version is **18.2118, -0.9717, 0.9895**.

A 20% lighter version of the original color is **35.4916, -7.5701, 7.0297**, and **5.3651, -4.6006, 3.2254** is the 20% darker color. If you saturate the color by 10%, you get **18.4972, -6.9536, 6.0788**, and if you desaturate by 10%, it is **19.1994, -3.9305, 3.5866**.

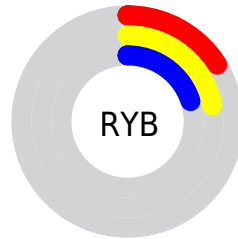
# Distribution



Red (18%)

Green (22%)

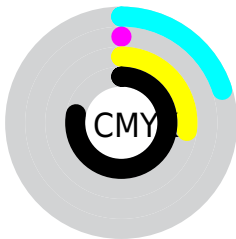
Blue (16%)



Red (16%)

Yellow (22%)

Blue (20%)

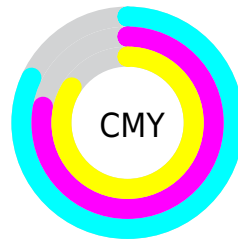


Cyan (20%)

Magenta (0%)

Yellow (27%)

Black (78%)



Cyan (82%)

Magenta (78%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 18.8317, -5.4995, 4.9029 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 18.8317, -5.4995, 4.9029 by changing the saturation by 10% instead.



■ 18.8317, -5.4995,  
4.9029

■ 18.8317, -5.4995,  
4.9029

■ 116.0635,  
-14.7320, 14.0712

■ 11.9300, -4.4286,  
3.8397

■ 35.4574, -7.5394,  
6.9278

■ 4.8350, -7.5533,  
3.3845

■ 44.9930, -8.5445,  
7.9243

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 55.2569, -9.5516,  
8.9229

0.0000, NaN, NaN

■ 66.2007, -10.5652,  
9.9286

0.0000, NaN, NaN

■ 77.7846, -11.5883,  
10.9445

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 89.9749, -12.6230,

11.9727

0.0000, NaN, NaN

102.7429,  
-13.6705, 13.0146

18.8317, -5.4995,  
4.9029

18.8317, -5.4995,  
4.9029

18.4972, -6.9536,  
6.0788

19.1994, -3.9305,  
3.5866

18.1950, -8.2831,  
7.1076

19.5983, -2.2545,  
2.1365

17.9258, -9.4812,  
7.9853

20.0282, -0.4813,  
0.5611

17.6895, -10.5421,  
8.7101

20.4881, 1.3794,  
-1.1308

17.4857, -11.4620,  
9.2828

20.9770, 3.3184,  
-2.9300

■ 17.3125, -12.2471,  
9.7257

■ 21.4939, 5.3267,  
-4.8276

■ 17.1605, -12.9500,  
10.1689

■ 22.0376, 7.3959,  
-6.8148

■ 17.1157, -13.1604,  
10.3162

■ 22.6071, 9.5183,  
-8.8831

■ 23.2012, 11.6867,  
-11.0247

# Harmonies

## Analogous

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



18.8321, -2.7588, 6.1221



18.8317, -5.4995, 4.9029



18.8321, -6.9832, 2.5102

# Triad

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



18.8321, -5.4999, 4.9031



18.8321, -2.6078, -6.1286



18.8321, 5.7769, 2.6461

# Complementary

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



18.8317, -5.4995, 4.9029



16.1294, 4.1225, -3.7426

# 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.



18.8321, 5.8246, -0.5918



18.8317, -5.4995, 4.9029



18.8321, 0.8137, -6.0744

# Square

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



18.8321, -5.4999, 4.9031



18.8321, -5.3962, -4.0439



18.8321, 3.9537, -3.9068



18.8321, 3.8277, 4.9872



# Rectangle

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



18.8317, -5.4995, 4.9029



18.8321, -7.1324, 0.3905



18.8321, 3.9537, -3.9068



18.8321, 6.0203, 1.6383

# Sweetspot

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



18.8321, -5.4999, 4.9031



25.6833, -3.3311, 3.1302



18.5930, -1.2475, 4.7453



13.7309, -1.8727, 1.7538



61.6487, -3.2894, 3.3495



14.0024, -0.7471, 0.7608



# Same Dimension

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



18.8321, -5.4999, 4.9031



24.4574, -8.5585, 7.5267



18.6696, -5.9698, 3.6745



10.6002, -1.3679, 1.2859



27.9638, -22.1402, 16.8436



71.9259, -58.4117, 43.2978



# Inverse Universe

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



16.1294, 4.1225, -3.7426



20.0388, 7.2092, -6.6684



16.3682, 4.6725, -1.8158



10.1342, 0.2860, -0.1961



14.0499, 29.5355, -33.3604



35.6226, 75.4061, -88.6186



# Previews

## White Background



This preview shows how the HunterLab color 18.8317, -5.4995, 4.9029 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

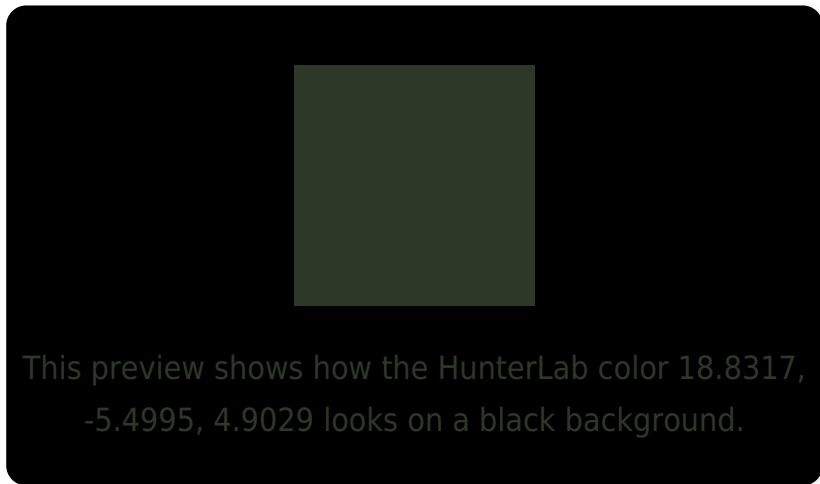
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

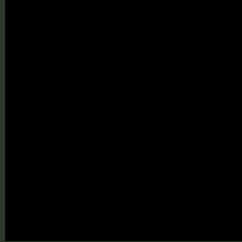
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

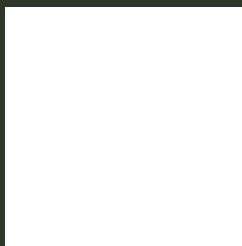
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

## HunterLab 18.8317, -5.4995, 4.9029 Background



This preview shows how black text looks on a background with the HunterLab color 18.8317, -5.4995, 4.9029.



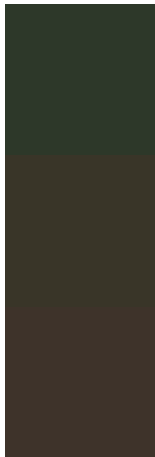
This preview shows how white text looks on a background with the HunterLab color 18.8317, -5.4995,



# 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

18.8317, -5.4995, 4.9029

### Protanopia

18.8925, -1.4723, 5.3156

### Deuteranopia

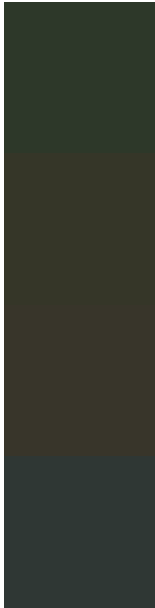
18.8652, 0.9384, 4.7567



**Tritanopia**

18.9003, -1.8921, -0.9442

# Trichromacy



## Original Color

18.8317, -5.4995, 4.9029

## Protanomaly

18.8372, -2.9231, 5.2377

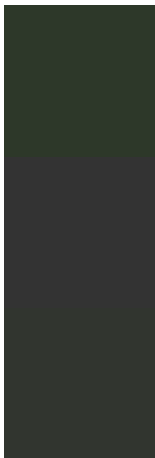
## Deuteranomaly

18.8524, -1.5389, 4.7008

## Tritanomaly

18.9332, -3.3568, 1.4340

# Monochromacy



## Original Color

18.8317, -5.4995, 4.9029

## Achromatopsia

18.1947, -0.9708, 0.9886

## Achromatomaly

18.4510, -2.7556, 2.6794

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 18.8317, -5.4995, 4.9029 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, 56, 41)` looks like.

```
.text, #text, p{  
    color:rgb(45, 56, 41)  
}
```

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, 56, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 56, 41) }
```

## Border

The CSS property to change the border of an element to HunterLab 18.8317, -5.4995, 4.9029 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, 56, 41) }
```



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

```
.border{ border-color:rgb(45, 56, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 56, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 56, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 56, 41);  
box-shadow:4px 4px 4px 4px rgb(45, 56, 41)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 18.8317, -5.4995, 4.9029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 56, 41) }
```

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

```
.background{ background-color: rgb(45, 56,  
41) }
```

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