

# Converting Colors

HunterLab(29.7715, -17.9191,  
4.0621)

Have a look what the booklet for  
HunterLab(29.7715, -17.9191,  
4.0621) contains.

<b>HunterLab(29.7635, -17.8998, 4.0404)</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(29.7635,  
-17.8998, 4.0404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	135F4D
RGB	19, 95, 77
RGB Percent	7%, 37%, 30%
CMY	0.9255, 0.6274, 0.6980
CMYK	0.80, 0.00, 0.19, 0.63
HSL	166°, 67%, 22%
HSV	166°, 80%, 37%
XYZ	5.7003, 8.8587, 8.4306
YIQ	70.2240, -39.5180, -21.7100

# Conversions

## Conversions Part 2

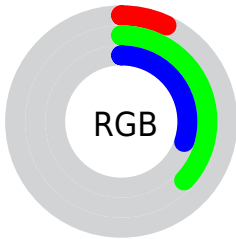
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 62, 95
Decimal	1269581
CIE <sub>Lab</sub>	35.71, -27.18, 3.91
CIE <sub>LCh</sub>	36, 27.457, 171.806
Yxy	8.8590, 0.2480, 0.3853
Android (android.graphics.Color)	4279459661 (0xFF135F4D)
YUV	70.2240, 3.3406, -44.9234
Hunter-Lab	29.7635, -17.8998, 4.0404

# Details

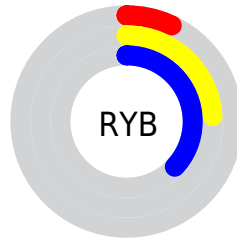
The HunterLab color  $29.7635, -17.8998, 4.0404$  is a dark color, and the websafe version is hex  $006666$ . A complement of this color would be  $17.4139, 23.7135, 5.1850$ , and the grayscale version is  $24.8265, -1.3247, 1.3489$ .

A 20% lighter version of the original color is  $48.5805, -22.4596, 5.4518$ , and  $14.9121, -10.1584, 3.2901$  is the 20% darker color. If you saturate the color by 10%, you get  $29.5814, -18.7437, 4.6476$ , and if you desaturate by 10%, it is  $30.0115, -16.8007, 3.4905$ .

# Distribution



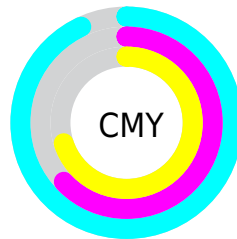
- Red (7%)
- Green (37%)
- Blue (30%)



- Red (7%)
- Yellow (24%)
- Blue (37%)



- Cyan (80%)
- Magenta (0%)
- Yellow (19%)
- Black (63%)



- Cyan (93%)
- Magenta (63%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 29.7635, -17.8998, 4.0404 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 29.7635, -17.8998, 4.0404 by changing the saturation by 10% instead.



■ 29.7635, -17.8998,  
4.0404

■ 29.7635, -17.8998,  
4.0404

■ 135.0269,  
-36.4487, 11.4714

■ 21.5623, -15.3595,  
3.3245

■ 48.6066, -22.4912,  
5.5318

■ 14.2934, -12.5426,  
2.6208

■ 59.1203, -24.6307,  
6.3109

■ 7.9516, -13.9154,  
2.4727

■ 70.2988, -26.7007,  
7.1132

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 82.1046, -28.7173,  
7.9388

0.0000, NaN, NaN

■ 94.5060, -30.6925,  
8.7877

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 107.4756,

-32.6351, 9.6597

0.0000, NaN, NaN

120.9896,  
-34.5520, 10.5544

29.7635, -17.8998,  
4.0404

29.7635, -17.8998,  
4.0404

29.5814, -18.7437,  
4.6476

30.0115, -16.8007,  
3.4905

29.4264, -19.4771,  
5.2655

30.3290, -15.4329,  
3.0070

29.4264, -19.4774,  
5.2657

30.7202, -13.7925,  
2.5987

31.1875, -11.8828,  
2.2716

31.7322, -9.7131,  
2.0303

■ 32.3545, -7.2977,  
1.8774

■ 33.0539, -4.6546,  
1.8135

■ 33.8292, -1.8039,  
1.8380

■ 34.6783, 1.2328,  
1.9489

# Harmonies

## Analogous

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



29.7641, -14.8820, 10.6391



29.7635, -17.8998, 4.0404



29.7641, -17.0097, -5.7573

# Triad

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



29.7641, -17.9000, 4.0407



29.7641, 5.6644, -20.0232



29.7641, 10.8501, 12.4675

# Complementary

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



29.7635, -17.8998, 4.0404



17.4139, 23.7135, 5.1850

# 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.



29.7641, 17.7933, 7.4889



29.7635, -17.8998, 4.0404



29.7641, 14.5424, -11.5790

# Square

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



29.7641, -17.9000, 4.0407



29.7641, -4.2029, -21.8506



29.7641, 19.2247, -1.0225



29.7641, 1.1168, 14.3793



# Rectangle

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



29.7635, -17.8998, 4.0404



29.7641, -14.2617, -12.8092



29.7641, 19.2247, -1.0225



29.7641, 13.6368, 11.1908

# Sweetspot

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



29.7641, -17.9000, 4.0407



41.9451, -11.0795, 2.5368



29.4004, -21.0372, 16.5053



20.4393, -5.7863, 1.2662



71.2094, -3.7996, 3.8689



21.6712, -1.1563, 1.1774



# Same Dimension

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



29.7641, -17.9000, 4.0407



38.5584, -25.2760, 6.8274



24.7667, -7.8904, -10.7958



16.9863, -2.2309, 0.9288



35.0690, -23.2935, 6.4507



80.9688, -54.3703, 16.1660



# Inverse Universe

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



17.4139, 23.7135, 5.1850



20.9318, 35.0587, 9.4926



19.6633, 15.7921, 10.5347



16.1214, 0.5220, 0.9043



18.8018, 32.6091, 8.9672

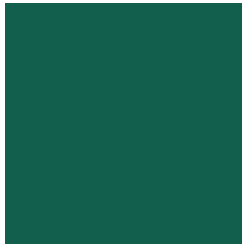


43.3197, 74.8631, 22.7461



# Previews

## White Background



This preview shows how the HunterLab color 29.7635, -17.8998, 4.0404 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



This preview shows how the HunterLab color 29.7635, -17.8998, 4.0404 looks on a 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 29.7635, -17.8998, 4.0404 Background



This preview shows how black text looks on a background with the HunterLab color 29.7635, -17.8998, 4.0404.



This preview shows how white text looks on a background with the HunterLab color 29.7635,

-17.8998, 4.0404.

# 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

29.7635, -17.8998, 4.0404

### Protanopia

29.7830, -2.1828, 6.4467

### Deuteranopia

29.6500, 1.7204, 3.1240



## Tritanopia

29.7968, -11.9687, -5.3374

# Trichromacy



## Original Color

29.7635, -17.8998, 4.0404

## Protanomaly

29.1843, -9.8351, 5.0054

## Deuteranomaly

28.9454, -7.5742, 2.5515

## Tritanomaly

29.7168, -14.2730, -1.6857

# Monochromacy



## Original Color

29.7635, -17.8998, 4.0404

## Achromatopsia

24.7479, -1.3205, 1.3446

## Achromatomaly

26.0323, -8.7775, 1.5311

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 29.7635, -17.8998, 4.0404 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(19, 95, 77)` looks like.

```
.text, #text, p{  
    color:rgb(19, 95, 77)  
}
```

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(19, 95, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 95, 77) }
```

## Border

The CSS property to change the border of an element to HunterLab 29.7635, -17.8998, 4.0404 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(19, 95, 77) }
```



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

```
.border{ border-color:rgb(19, 95, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 95, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 95, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 95, 77);  
box-shadow:4px 4px 4px 4px rgb(19, 95, 77)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 29.7635, -17.8998, 4.0404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 95, 77) }
```

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

```
.background{ background-color: rgb(19, 95,  
77) }
```

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