

# Converting Colors

HunterLab(18.9204, -8.7164,  
4.6493)

Have a look what the booklet for  
HunterLab(18.9204, -8.7164, 4.6493)  
contains.

**HunterLab(19.0222, -8.8057, 4.7397) ..... 3**  
    ***Conversions*** ..... 4  
    ***Details*** ..... 6  
    ***Harmonies*** ..... 12  
    ***Previews*** ..... 24  
    ***Color Blindness Simulation*** ..... 28  
    ***CSS Examples*** ..... 31

# Color

**HunterLab(19.0222, -8.8057,  
4.7397)**

# Conversions

Conversions Part 1	
Format	Color
Hex	213B2A
RGB	33, 59, 42
RGB Percent	13%, 23%, 16%
CMY	0.8706, 0.7686, 0.8353
CMYK	0.44, 0.00, 0.29, 0.77
HSL	141°, 28%, 18%
HSV	141°, 44%, 23%
XYZ	2.6091, 3.6184, 2.7514
YIQ	49.2880, -10.0390, -10.7990

# Conversions

## Conversions Part 2

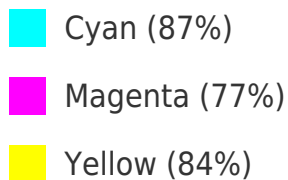
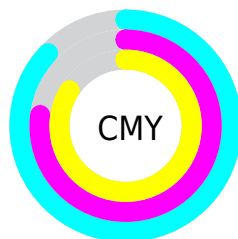
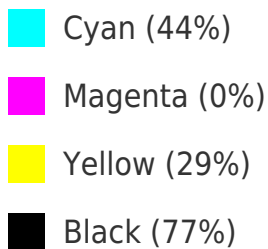
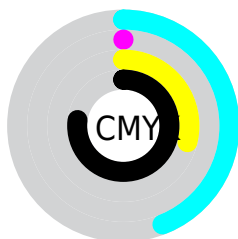
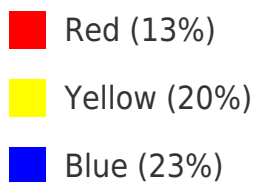
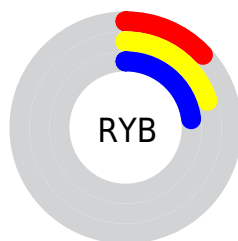
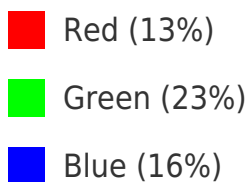
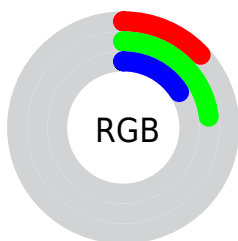
Format	Color
<a href="#">RYB</a>	<a href="#">33, 52, 59</a>
Decimal	<a href="#">2177834</a>
CIELab	<a href="#">22.37, -14.55, 7.46</a>
CIELCh	<a href="#">22, 16.350, 152.847</a>
Yxy	<a href="#">3.6186, 0.2906, 0.4030</a>
Android (android.graphics.Color)	<a href="#">4280367914</a> (0xFF213B2A)
YUV	<a href="#">49.2880, -3.5930, -14.2846</a>
Hunter-Lab	<a href="#">19.0222, -8.8057, 4.7397</a>

# Details

The HunterLab color **19.0222, -8.8057, 4.7397** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14.9930, 8.5662, -2.5452**, and the grayscale version is **17.6358, -0.9410, 0.9582**.

A 20% lighter version of the original color is **35.5787, -11.5967, 6.6944**, and **5.8451, -5.0121, 3.5140** is the 20% darker color. If you saturate the color by 10%, you get **18.7172, -10.1449, 5.5088**, and if you desaturate by 10%, it is **19.3743, -7.3031, 3.9451**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the HunterLab color 19.0222, -8.8057, 4.7397 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 19.0222, -8.8057, 4.7397 by changing the saturation by 10% instead.



■ 19.0222, -8.8057,  
4.7397

■ 19.0222, -8.8057,  
4.7397

116.4124,  
-21.3908, 13.6843

■ 12.0937, -7.1328,  
3.7141

■ 35.6925, -11.8158,  
6.6976

■ 5.1203, -8.9605,  
3.5842

■ 45.2474, -13.2342,  
7.6664

0.0000, NaN, NaN

■ 55.5294, -14.6218,  
8.6397

0.0000, NaN, NaN

■ 66.4901, -15.9898,  
9.6220

0.0000, NaN, NaN

■ 78.0899, -17.3460,  
10.6160

0.0000, NaN, NaN


■ 90.2954, -18.6957,


0.0000, NaN, NaN


0.0000, NaN, NaN


11.6237


0.0000, NaN, NaN


 103.0779,  
-20.0430, 12.6462


 19.0222, -8.8057,  
4.7397


 19.0222, -8.8057,  
4.7397


 18.7172, -10.1449,  
5.5088


 19.3743, -7.3031,  
3.9451


 18.4576, -11.3112,  
6.2447


 19.7720, -5.6474,  
3.1315


 18.2431, -12.2996,  
6.9404

 20.2151, -3.8517,  
2.3060

 18.0718, -13.1098,  
7.5894

 20.7026, -1.9303,  
1.4747

 17.9203, -13.8333,  
8.1682

 21.2333, 0.1028,  
0.6433

■ 17.8328, -14.2501,  
8.4724

■ 21.8057, 2.2333,  
-0.1833

■ 22.4180, 4.4477,  
-1.0012

■ 23.0685, 6.7336,  
-1.8070

■ 23.7555, 9.0794,  
-2.5983

# Harmonies

## Analogous

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



19.0226, -5.9345, 7.2069



19.0222, -8.8057, 4.7397



19.0226, -9.6634, 0.5776

# Triad

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



19.0226, -8.8060, 4.7399



19.0226, -0.5382, -10.4889



19.0226, 7.7122, 5.3419

# Complementary

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



19.0222, -8.8057, 4.7397



14.9930, 8.5662, -2.5452

# 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.



19.0226, 9.5195, 1.4822



19.0222, -8.8057, 4.7397



19.0226, 4.4593, -8.3129

# Square

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



19.0226, -8.8060, 4.7399



19.0226, -5.1903, -8.9793



19.0226, 8.2725, -3.6065



19.0226, 3.5525, 7.4864



# Rectangle

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



19.0222, -8.8057, 4.7397



19.0226, -9.0579, -2.8502



19.0226, 8.2725, -3.6065



19.0226, 8.6333, 4.2425

# Sweetspot

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



19.0226, -8.8060, 4.7399



26.1875, -4.8708, 2.9335



19.8104, -6.1007, 7.7938



13.5217, -2.6315, 1.5674



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.



19.0226, -8.8060, 4.7399



24.1713, -13.3476, 7.2616



19.2979, -7.1976, 0.7882



11.3419, -1.5472, 1.0203



28.5932, -23.1714, 14.2815



72.5919, -59.6268, 37.9837



# Inverse Universe

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



14.9930, 8.5662, -2.5452



17.8018, 14.2920, -4.1833



14.6741, 7.0034, 1.9812



10.8876, 0.3917, 0.1931



16.5609, 30.4408, -5.4198

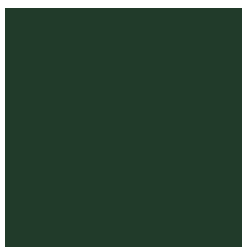


41.8952, 76.6305, -10.7864



# Previews

## White Background



This preview shows how the HunterLab color 19.0222, -8.8057, 4.7397 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 19.0222, -8.8057, 4.7397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

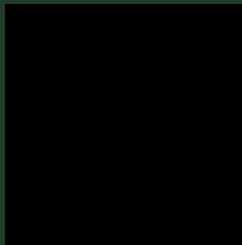
Any Text WCAG AA × Fail

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 19.0222, -8.8057, 4.7397 Background



This preview shows how black text looks on a background with the HunterLab color 19.0222, -8.8057, 4.7397.



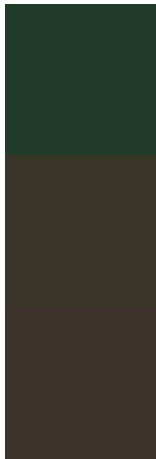
This preview shows how white text looks on a background with the HunterLab color 19.0222, -8.8057,



# 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

19.0222, -8.8057, 4.7397

### Protanopia

18.8747, -1.5702, 5.5735

### Deuteranopia

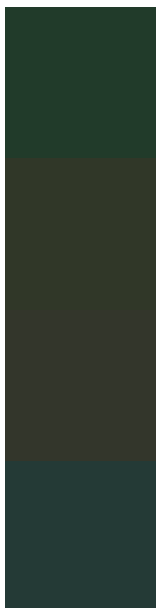
18.9041, 1.1472, 4.1951



## Tritanopia

19.1220, -4.8206, -1.9904

# Trichromacy



## Original Color

19.0222, -8.8057, 4.7397

## Protanomaly

18.7455, -4.5415, 5.1220

## Deuteranomaly

18.7525, -3.1141, 4.2746

## Tritanomaly

19.1508, -6.4234, 0.8832

# Monochromacy



## Original Color

19.0222, -8.8057, 4.7397

## Achromatopsia

17.5253, -0.9351, 0.9522

## Achromatomaly

18.0473, -4.2598, 2.5545

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 19.0222, -8.8057, 4.7397 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(33, 59, 42)` looks like.

```
.text, #text, p{  
    color:rgb(33, 59, 42)  
}
```

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(33, 59, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 59, 42) }
```

## Border

The CSS property to change the border of an element to HunterLab 19.0222, -8.8057, 4.7397 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(33, 59, 42) }
```



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

```
.border{ border-color:rgb(33, 59, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 59, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 59, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 59, 42);  
box-shadow:4px 4px 4px 4px rgb(33, 59, 42)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 19.0222, -8.8057, 4.7397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 59, 42) }
```

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

```
.background{ background-color: rgb(33, 59,  
42) }
```

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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