

# Converting Colors

HunterLab(19.0022, 30.1492,  
-88.8345)

Have a look what the booklet for  
HunterLab(19.0022, 30.1492,  
-88.8345) contains.

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# Color

**HunterLab(19.0070, 30.0684,  
-88.6662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00229E
RGB	0, 34, 158
RGB Percent	0%, 13%, 62%
CMY	0.9999, 0.8667, 0.3804
CMYK	1.00, 0.78, 0.00, 0.38
HSL	227°, 100%, 31%
HSV	227°, 100%, 62%
XYZ	6.7436, 3.6127, 32.6896
YIQ	37.9700, -60.0680, 31.3560

# Conversions

## Conversions Part 2

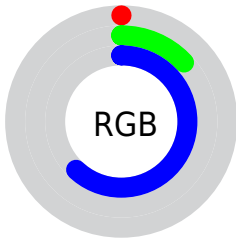
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	0, 28, 158
Decimal	8862
CIE Lab	22.35, 41.70, -67.80
CIE LCh	22, 79.604, 301.595
Yxy	3.6127, 0.1567, 0.0839
Android (android.graphics.Color)	4278198942 (0xFF00229E)
YUV	37.9700, 59.1748, -33.2997
Hunter-Lab	19.0070, 30.0684, -88.6662

# Details

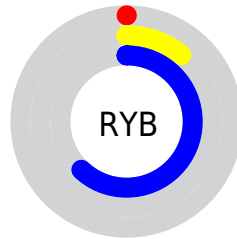
The HunterLab color **19.0070, 30.0684, -88.6662** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **46.5743, 0.1749, 28.7010**, and the grayscale version is **13.7444, -0.7334, 0.7468**.

A 20% lighter version of the original color is **35.7296, 33.5073, -82.9659**, and **10.0991, 27.3938, -71.7585** is the 20% darker color. If you saturate the color by 10%, you get **19.0036, 30.0798, -88.6866**, and if you desaturate by 10%, it is **21.3603, 24.2494, -76.2017**.

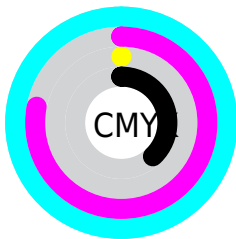
# Distribution



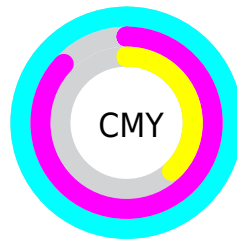
- Red (0%)
- Green (13%)
- Blue (62%)



- Red (0%)
- Yellow (11%)
- Blue (62%)



- Cyan (100%)
- Magenta (78%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (87%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 19.0070, 30.0684, -88.6662 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 19.0070, 30.0684, -88.6662 by changing the saturation by 10% instead.



■ 19.0070, 30.0684, -88.6662	■ 19.0070, 30.0684, -88.6662
■ 116.3840, 41.8906, -86.0527	■ 12.0804, 28.3194, -97.6521
■ 35.6734, 33.4724, -83.0621	■ 5.0977, 38.0000, -152.0760
■ 45.2267, 35.0023, -82.4985	0.0000, INF, -NF
■ 55.5072, 36.4110, -82.5561	0.0000, NaN, -NF
■ 66.4665, 37.7050, -82.9737	0.0000, NaN, -NF
■ 78.0651, 38.8923, -83.6045	0.0000, NaN, NaN
■ 90.2693, 39.9809,	0.0000, NaN, NaN

-84.3611

0.0000, NaN, NaN

103.0506, 40.9781,  
-85.1890

19.0070, 30.0684,  
-88.6662

19.0070, 30.0684,  
-88.6662

19.0036, 30.0798,  
-88.6866

21.3603, 24.2494,  
-76.2017

24.2432, 18.7560,  
-63.8439

27.5964, 13.9942,  
-52.2484

31.3250, 10.0041,  
-41.7484

35.3544, 6.7028,  
-32.3453

■ 39.6286, 3.9751,  
-23.9084

■ 44.1060, 1.7116,  
-16.2761

■ 48.7554, -0.1794,  
-9.2975

■ 53.5534, -1.7715,  
-2.8446

# Harmonies

## Analogous

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



19.0071, 0.2988, -117.9798



19.0070, 30.0684, -88.6662



19.0071, 59.7778, -34.4299

# Triad

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



19.0071, 30.0706, -88.6661



19.0071, 26.6137, 13.3050



19.0071, -29.4219, -0.2405

# Complementary

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



19.0070, 30.0684, -88.6662



46.5743, 0.1749, 28.7010

# 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.



19.0071, -27.2318, 13.1606



19.0070, 30.0684, -88.6662



19.0071, -2.2944, 13.3050

# Square

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



19.0071, 30.0706, -88.6661



19.0071, 57.1749, 13.3050



19.0071, -19.7835, 13.3050



19.0071, -26.7240, -39.9112



# Rectangle

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



19.0070, 30.0684, -88.6662



19.0071, 70.5208, -6.6511



19.0071, -19.7835, 13.3050



19.0071, -29.2330, 6.4399

# Sweetspot

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



19.0071, 30.0706, -88.6661



59.0663, 2.4750, -22.5263



50.8954, -33.4747, 8.6493



26.8958, 1.7251, -12.5916



89.8524, -4.7943, 4.8819



37.4146, -1.9963, 2.0328



# Same Dimension

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



19.0071, 30.0706, -88.6661



25.1309, 42.1342, -122.3670



17.3845, 43.9630, -98.8405



25.7974, -0.8989, -1.1422



17.1520, 26.4435, -78.5225



3.2676, 1.0602, -6.3730



# Inverse Universe

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



27.1756, 46.9587, 14.2663



36.5864, 63.1610, 19.7216



52.8966, -28.2237, 32.0997



25.8231, 1.0435, 1.5197



24.3294, 42.0652, 12.6179

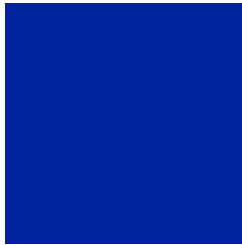


3.3363, 5.9295, 0.4805



# Previews

## White Background



This preview shows how the HunterLab color 19.0070, 30.0684, -88.6662 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

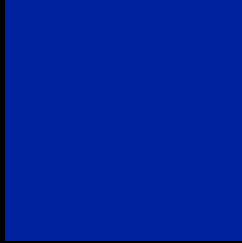
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the HunterLab color 19.0070, 30.0684, -88.6662 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

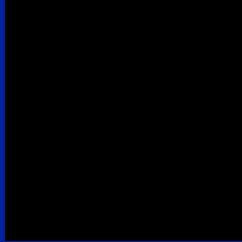
Any Text WCAG AA × Fail

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 19.0070, 30.0684, -88.6662 Background



This preview shows how black text looks on a background with the HunterLab color 19.0070, 30.0684, -88.6662.



This preview shows how white text looks on a background with the HunterLab color 19.0070, 30.0684, -88.6662.



# 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

19.0070, 30.0684, -88.6662

### Protanopia

19.2195, 4.8376, -34.4657

### Deuteranopia

19.0696, -1.2229, -21.1955



## Tritanopia

19.2553, -9.6484, -3.2393

# Trichromacy



## Original Color

19.0070, 30.0684, -88.6662

## Protanomaly

18.7417, 13.6163, -52.8191

## Deuteranomaly

18.4344, 9.0653, -42.6108

## Tritanomaly

18.0264, 2.0067, -26.8633

# Monochromacy



## Original Color

19.0070, 30.0684, -88.6662

## Achromatopsia

13.9221, -0.7428, 0.7564

## Achromatomaly

14.5826, 5.8317, -23.3680

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 19.0070, 30.0684, -88.6662 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(0, 34, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 34, 158)  
}
```

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(0, 34, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 34, 158) }
```

## Border

The CSS property to change the border of an element to HunterLab 19.0070, 30.0684, -88.6662 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(0, 34, 158) }
```



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

```
.border{ border-color:rgb(0, 34, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 34, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 34, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 34, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 34, 158)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 19.0070, 30.0684, -88.6662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 34, 158) }
```

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

```
.background{ background-color: rgb(0, 34,  
158) }
```

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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