

# Converting Colors

HunterLab(32.8079, -38.1719,  
19.5257)

Have a look what the booklet for  
HunterLab(32.8079, -38.1719,  
19.5257) contains.

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# Color

**HunterLab(34.6910,  
-29.7475, 20.8556)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007200
RGB	0, 114, 0
RGB Percent	0%, 45%, 0%
CMY	1.0000, 0.5529, 1.0000
CMYK	1.00, 0.00, 1.00, 0.55
HSL	120°, 100%, 22%
HSV	120°, 100%, 45%
XYZ	6.0173, 12.0347, 2.0058
YIQ	66.9180, -31.3500, -59.6220

# Conversions

## Conversions Part 2

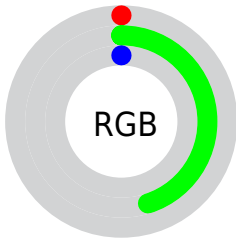
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 114, 114
Decimal	29184
CIELab	41.27, -47.58, 45.92
CIELCh	41, 66.127, 136.017
Yxy	12.0352, 0.3000, 0.6000
Android (android.graphics.Color)	4278219264 (0xFF007200)
YUV	66.9180, -32.9906, -58.6871
Hunter-Lab	34.6910, -29.7475, 20.8556

# Details

The HunterLab color  $[34.6910, -29.7475, 20.8556]$  is a dark color, and the websafe version is hex  $006600$ . A complement of this color would be  $[21.8914, 43.0387, -28.8690]$ , and the grayscale version is  $[23.7835, -1.2690, 1.2922]$ .

A 20% lighter version of the original color is  $[54.3521, -37.0035, 28.1803]$ , and  $[19.1489, -16.4202, 11.5120]$  is the 20% darker color. If you saturate the color by 10%, you get  $[34.6917, -29.7480, 20.8557]$ , and if you desaturate by 10%, it is  $[34.8341, -29.0676, 20.3956]$ .

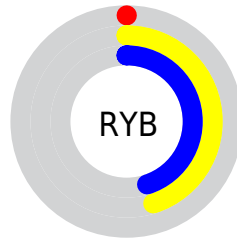
# Distribution



Red (0%)

Green (45%)

Blue (0%)



Red (0%)

Yellow (45%)

Blue (45%)

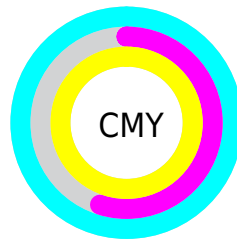


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (100%)

Magenta (55%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 34.6910, -29.7475, 20.8556 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 34.6910, -29.7475, 20.8556 by changing the saturation by 10% instead.



■ 34.6910, -29.7475,  
20.8556

■ 34.6910, -29.7475,  
20.8556

■ 143.0517,  
-58.2270, 49.3762

■ 26.0147, -25.6509,  
16.9362

■ 54.3683, -37.0570,  
28.1805

■ 18.2132, -21.0993,  
12.7492

■ 65.2567, -40.4072,  
31.5489

■ 11.3995, -19.5651,  
7.9797

■ 76.7882, -43.6117,  
34.7681

■ 3.7525, -6.5668,  
2.6267

■ 88.9288, -46.6986,  
37.8643

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 101.6492,  
-49.6890, 40.8583


0.0000, NaN, NaN


■ 114.9243,


0.0000, NaN, NaN


-52.5991, 43.7665


0.0000, NaN, NaN


 128.7317,  
-55.4417, 46.6022


 34.6910, -29.7475,  
20.8556


 34.6910, -29.7475,  
20.8556


 34.6917, -29.7480,  
20.8557

 34.8341, -29.0676,  
20.3956

 35.0372, -28.1030,  
19.7432

 35.3487, -26.6356,  
18.7508

 35.7784, -24.6365,  
17.3991

 36.3325, -22.0986,  
15.6831

■ 37.0147, -19.0335,  
13.6111

■ 37.8263, -15.4681,  
11.2012

■ 38.7665, -11.4409,  
8.4795

■ 39.8328, -6.9978,  
5.4775

# Harmonies

## Analogous

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



34.6917, -13.9627, 23.3762



34.6910, -29.7475, 20.8556



34.6917, -36.8534, 11.0960

# Triad

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



34.6917, -29.7480, 20.8557



34.6917, -12.5581, -76.2893



34.6917, 56.3191, 12.1504

# Complementary

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



34.6910, -29.7475, 20.8556



21.8914, 43.0387, -28.8690

# 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.



34.6917, 57.0076, -10.8379



34.6910, -29.7475, 20.8556



34.6917, 12.1860, -75.1684

# Square

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



34.6917, -29.7480, 20.8557



34.6917, -28.9679, -48.5925



34.6917, 39.1615, -46.1407



34.6917, 37.4822, 21.1688



# Rectangle

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



34.6910, -29.7475, 20.8556



34.6917, -37.4729, -3.1668



34.6917, 39.1615, -46.1407



34.6917, 58.8281, 6.2814

# Sweetspot

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



34.6917, -29.7480, 20.8557



50.0534, -20.8924, 15.1104



39.5129, -10.6129, 24.1619



23.8976, -10.8029, 7.7774



76.6170, -4.0881, 4.1627



26.1505, -1.3953, 1.4208



# Same Dimension

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



34.6917, -29.7480, 20.8557



45.9875, -39.4341, 27.6465



35.1149, -27.1076, 14.6270



19.3990, -3.1687, 2.5048



36.6018, -31.3859, 22.0040



81.6920, -70.0507, 49.1115



# Inverse Universe

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



21.8914, 43.0387, -28.8690



29.0193, 57.0522, -38.2687



19.6799, 35.2034, 1.0806



18.5835, 1.2357, -0.5048



23.0967, 45.4083, -30.4584

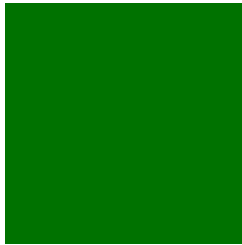


51.5499, 101.3473, -67.9800



# Previews

## White Background



This preview shows how the HunterLab color 34.6910, -29.7475, 20.8556 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

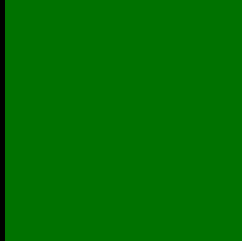
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 34.6910, -29.7475, 20.8556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

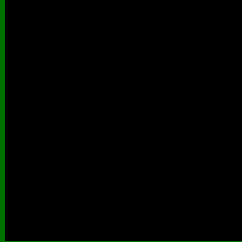
Any Text WCAG AA × Fail

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 34.6910, -29.7475, 20.8556 Background



This preview shows how black text looks on a background with the HunterLab color 34.6910, -29.7475, 20.8556.



This preview shows how white text looks on a background with the HunterLab color 34.6910,

-29.7475, 20.8556.

# 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

34.6910, -29.7475, 20.8556

### Protanopia

34.7136, -5.2243, 21.2989

### Deuteranopia

34.4413, 2.0689, 19.6756



## Tritanopia

34.8916, -12.6263, -6.2824

# Trichromacy



## Original Color

34.6910, -29.7475, 20.8556

## Protanomaly

33.4705, -18.7028, 20.2969

## Deuteranomaly

32.8199, -15.0527, 19.0744

## Tritanomaly

34.2193, -22.1367, 9.7768

# Monochromacy



## Original Color

34.6910, -29.7475, 20.8556

## Achromatopsia

23.6915, -1.2641, 1.2872

## Achromatomaly

26.5116, -15.4063, 10.9554

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 34.6910, -29.7475, 20.8556 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, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 0)  
}
```

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, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 34.6910, -29.7475, 20.8556 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, 114, 0) }
```



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

```
.border{ border-color:rgb(0, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 114, 0); box-shadow:4px  
4px 4px 4px rgb(0, 114, 0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 34.6910, -29.7475, 20.8556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 0) }
```

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

```
.background{ background-color: rgb(0, 114,  
0) }
```

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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