

# Converting Colors

HunterLab(33.6450, -32.1147,  
22.6114)

Have a look what the booklet for  
HunterLab(33.6450, -32.1147,  
22.6114) contains.

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# Color

**HunterLab(34.3661,  
-29.4689, 20.6603)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	007100
RGB	0, 113, 0
RGB Percent	0%, 44%, 0%
CMY	1.0000, 0.5569, 1.0000
CMYK	1.00, 0.00, 1.00, 0.56
HSL	120°, 100%, 22%
HSV	120°, 100%, 44%
XYZ	5.9052, 11.8103, 1.9684
YIQ	66.3310, -31.0750, -59.0990

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 113, 113
Decimal	28928
CIELab	40.91, -47.28, 45.63
CIELCh	41, 65.713, 136.017
Yxy	11.8108, 0.3000, 0.6000
Android (android.graphics.Color)	4278219008 (0xFF007100)
YUV	66.3310, -32.7012, -58.1723
Hunter-Lab	34.3661, -29.4689, 20.6603

# Details

The HunterLab color  $[34.3661, -29.4689, 20.6603]$  is a dark color, and the websafe version is hex  $006600$ . A complement of this color would be  $[21.6865, 42.6357, -28.5991]$ , and the grayscale version is  $[23.5765, -1.2580, 1.2810]$ .

A 20% lighter version of the original color is  $[53.9770, -36.8117, 27.9202]$ , and  $[18.8547, -16.1679, 11.3352]$  is the 20% darker color. If you saturate the color by 10%, you get  $[34.3668, -29.4694, 20.6604]$ , and if you desaturate by 10%, it is  $[34.5092, -28.7890, 20.2003]$ .

# Distribution



Red (0%)

Green (44%)

Blue (0%)



Red (0%)

Yellow (44%)

Blue (44%)



Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (100%)

Magenta (56%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 34.3661, -29.4689, 20.6603 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 34.3661, -29.4689, 20.6603 by changing the saturation by 10% instead.



■ 34.3661, -29.4689,  
20.6603

■ 34.3661, -29.4689,  
20.6603

■ 142.5302,  
-57.8364, 49.0678

■ 25.7196, -25.3839,  
16.7683

■ 53.9907, -36.7528,  
27.9596

■ 17.9513, -20.8413,  
12.5659

■ 64.8554, -40.0900,  
31.3149

■ 11.1757, -19.5575,  
7.8230

■ 76.3645, -43.2816,  
34.5211

■ 3.1806, -5.5660,  
2.2264

■ 88.4838, -46.3559,  
37.6045

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 101.1839,  
-49.3339, 40.5859


0.0000, NaN, NaN


■ 114.4396,


0.0000, NaN, NaN


-52.2319, 43.4819


0.0000, NaN, NaN


 128.2283,  
-55.0627, 46.3055


 34.3661, -29.4689,  
20.6603


 34.3661, -29.4689,  
20.6603


 34.3668, -29.4694,  
20.6604

 34.5092, -28.7890,  
20.2003

 34.7110, -27.8305,  
19.5520

 35.0202, -26.3745,  
18.5674

 35.4461, -24.3927,  
17.2273

 35.9952, -21.8782,  
15.5272

■ 36.6709, -18.8425,  
13.4750

■ 37.4746, -15.3123,  
11.0889

■ 38.4054, -11.3255,  
8.3946

■ 39.4609, -6.9278,  
5.4231

# Harmonies

## Analogous

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



34.3668, -13.8319, 23.1668



34.3661, -29.4689, 20.6603



34.3668, -36.5082, 10.9922

# Triad

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



34.3668, -29.4694, 20.6604



34.3668, -12.4405, -75.5749



34.3668, 55.7918, 12.0366

# Complementary

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



34.3661, -29.4689, 20.6603



21.6865, 42.6357, -28.5991

# 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.



34.3668, 56.4737, -10.7365



34.3661, -29.4689, 20.6603



34.3668, 12.0719, -74.4646

# Square

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



34.3668, -29.4694, 20.6604



34.3668, -28.6967, -48.1374



34.3668, 38.7948, -45.7087



34.3668, 37.1313, 20.9706



# Rectangle

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



34.3661, -29.4689, 20.6603



34.3668, -37.1219, -3.1371



34.3668, 38.7948, -45.7087



34.3668, 58.2773, 6.2225

# Sweetspot

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



34.3668, -29.4694, 20.6604



50.0534, -20.8924, 15.1105



39.1428, -10.5135, 23.9356



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.



34.3668, -29.4694, 20.6604



45.9875, -39.4341, 27.6466



34.7868, -26.8489, 14.4786



19.3990, -3.1687, 2.5049



36.6018, -31.3859, 22.0041



81.6920, -70.0508, 49.1116



# Inverse Universe

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



21.6865, 42.6357, -28.5991



29.0194, 57.0524, -38.2694



19.4970, 34.8788, 1.0506



18.5835, 1.2357, -0.5049



23.0968, 45.4085, -30.4590

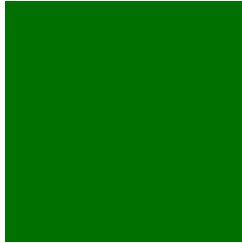


51.5500, 101.3477, -67.9812



# Previews

## White Background



This preview shows how the HunterLab color 34.3661, -29.4689, 20.6603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

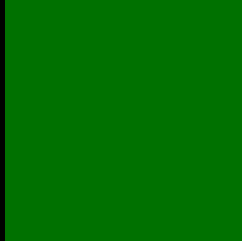
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 34.3661, -29.4689, 20.6603 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 34.3661, -29.4689, 20.6603 Background



This preview shows how black text looks on a background with the HunterLab color 34.3661, -29.4689, 20.6603.



This preview shows how white text looks on a background with the HunterLab color 34.3661,

-29.4689, 20.6603.

# 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

34.3661, -29.4689, 20.6603

### Protanopia

34.3520, -5.1330, 21.0777

### Deuteranopia

34.3357, 1.7130, 19.5994



## Tritanopia

34.5288, -12.5492, -6.2790

# Trichromacy



## Original Color

34.3661, -29.4689, 20.6603

## Protanomaly

33.1145, -18.5763, 20.0798

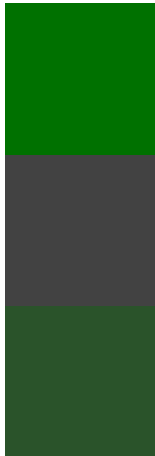
## Deuteranomaly

32.7560, -15.3013, 19.0289

## Tritanomaly

33.8854, -21.8952, 9.4676

# Monochromacy



## Original Color

34.3661, -29.4689, 20.6603

## Achromatopsia

23.3410, -1.2454, 1.2682

## Achromatomaly

26.1647, -15.3203, 10.8907

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 34.3661, -29.4689, 20.6603 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, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 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, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 34.3661, -29.4689, 20.6603 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, 113, 0) }
```



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

```
.border{ border-color:rgb(0, 113, 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, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 113, 0); box-shadow:4px  
4px 4px 4px rgb(0, 113, 0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 34.3661, -29.4689, 20.6603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 0) }
```

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

```
.background{ background-color: rgb(0, 113,  
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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