

# Converting Colors

HunterLab(29.8022, -1.6635,  
1.2210)

Have a look what the booklet for  
HunterLab(29.8022, -1.6635, 1.2210)  
contains.

<b>HunterLab(29.7246, -1.7114, 1.1436)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(29.7246, -1.7114,  
1.1436)**

# Conversions

## Conversions Part 1

Format	Color
Hex	535455
RGB	83, 84, 85
RGB Percent	33%, 33%, 33%
CMY	0.6745, 0.6706, 0.6667
CMYK	0.02, 0.01, 0.00, 0.67
HSL	210°, 1%, 33%
HSV	210°, 2%, 33%
XYZ	8.3773, 8.8355, 9.8582
YIQ	83.8150, -0.9170, 0.0990

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">83, 84, 85</a>
Decimal	<a href="#">5461077</a>
CIELab	<a href="#">35.67, -0.18, -0.73</a>
CIElCh	<a href="#">36, 0.750, 255.857</a>
Yxy	<a href="#">8.8359, 0.3095, 0.3264</a>
Android (android.graphics.Color)	<a href="#">4283651157 (0xFF535455)</a>
YUV	<a href="#">83.8150, 0.5842, -0.7148</a>
Hunter-Lab	<a href="#">29.7246, -1.7114, 1.1436</a>

# Details

The HunterLab color  $[29.7246, -1.7114, 1.1436]$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $[29.8267, -1.4599, 2.0858]$ , and the grayscale version is  $[29.7064, -1.5851, 1.6140]$ .

A 20% lighter version of the original color is  $[48.4044, -2.5594, 1.7053]$ , and  $[14.1997, -0.8664, 0.3525]$  is the 20% darker color. If you saturate the color by 10%, you get  $[27.9889, -2.0834, -0.9958]$ , and if you desaturate by 10%, it is  $[31.5045, -1.2307, 3.2171]$ .

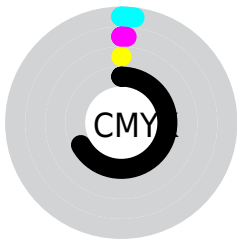
# Distribution



- Red (33%)
- Green (33%)
- Blue (33%)



- Red (33%)
- Yellow (33%)
- Blue (33%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (67%)



- Cyan (67%)
- Magenta (67%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 29.7246, -1.7114, 1.1436 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 29.7246, -1.7114, 1.1436 by changing the saturation by 10% instead.



■ 29.7246, -1.7114,  
1.1436

■ 29.7246, -1.7114,  
1.1436

■ 134.9626, -7.4146,  
6.5656

■ 21.5274, -1.2615,  
0.7453

■ 48.5609, -2.7403,  
2.0864

■ 14.2630, -0.8592,  
0.4034

■ 59.0715, -3.3115,  
2.6213

■ 7.9203, -0.5239,  
0.0504

■ 70.2471, -3.9178,  
3.1947

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 82.0501, -4.5570,  
3.8040

0.0000, NaN, NaN

■ 94.4489, -5.2276,  
4.4474

0.0000, NaN, NaN

107.4160, -5.9282,

0.0000, NaN, NaN

5.1231

0.0000, NaN, NaN

120.9276, -6.6576,  
5.8296

■ 29.7246, -1.7114,  
1.1436

■ 29.7246, -1.7114,  
1.1436

■ 27.9889, -2.0834,  
-0.9958

■ 31.5045, -1.2307,  
3.2171

■ 26.2994, -2.3296,  
-3.2108

■ 33.3233, -0.6524,  
5.2307

■ 24.6613, -2.4332,  
-5.5090

■ 35.1787, 0.0119,  
7.1921

■ 23.0796, -2.3742,  
-7.8985

■ 37.0679, 0.7526,  
9.1074

■ 21.5604, -2.1301,  
-10.3862

■ 38.9888, 1.5616,  
10.9825

■ 20.1101, -1.6765,  
-12.9763

■ 40.9392, 2.4319,  
12.8222

■ 18.7360, -0.9883,  
-15.6693

■ 42.9174, 3.3576,  
14.6311

■ 17.4458, -0.0419,  
-18.4593

■ 44.9218, 4.3335,  
16.4131

■ 16.2398, 1.1565,  
-21.3503

■ 46.9510, 5.3550,  
18.1716

# Harmonies

## Analogous

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



29.7252, -1.9418, 1.2680



29.7246, -1.7114, 1.1436



29.7252, -1.4483, 1.1479

# Triad

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



29.7252, -1.7121, 1.1441



29.7252, -1.0958, 1.7502



29.7252, -1.9525, 1.9537

# Complementary

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



29.7246, -1.7114, 1.1436



29.8267, -1.4599, 2.0858

# 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.



29.7252, -1.7268, 2.0806



29.7246, -1.7114, 1.1436



29.7252, -1.2319, 1.9638

# Square

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



29.7252, -1.7121, 1.1441



29.7252, -1.0919, 1.4993



29.7252, -1.4630, 2.0843



29.7252, -2.0802, 1.7362



# Rectangle

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



29.7246, -1.7114, 1.1436



29.7252, -1.2885, 1.2224



29.7252, -1.4630, 2.0843



29.7252, -1.8856, 2.0083

# Sweetspot

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



29.7252, -1.7121, 1.1441



39.1156, -2.1603, 1.8559



29.9595, -2.2931, 1.8351



19.8115, -1.0906, 0.9534



69.0652, -3.6851, 3.7524



19.9203, -1.0629, 1.0823



# Same Dimension

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



29.7252, -1.7121, 1.1441



38.6410, -2.2768, 1.2886



29.4731, -1.2924, 0.8494



15.3352, -0.9150, 0.4664



19.1528, 3.4023, -31.2839



43.3731, 11.9877, -80.0907



# Inverse Universe

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



29.5940, -0.8827, 1.4154



38.4161, -0.8513, 1.7573



30.0794, -1.8792, 2.3708



15.2337, -0.2708, 0.6788



18.4254, 32.9811, 0.8440



43.4627, 77.4128, 4.9717



# Previews

## White Background



This preview shows how the HunterLab color 29.7246, -1.7114, 1.1436 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 29.7246, -1.7114, 1.1436 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

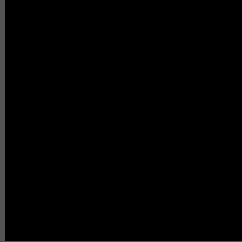
Any Text WCAG AA × Fail

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 29.7246, -1.7114, 1.1436 Background



This preview shows how black text looks on a background with the HunterLab color 29.7246, -1.7114, 1.1436.



This preview shows how white text looks on a background with the HunterLab color 29.7246, -1.7114,



# 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

29.7246, -1.7114, 1.1436

### Protanopia

29.6204, -0.7376, 1.0361

### Deuteranopia

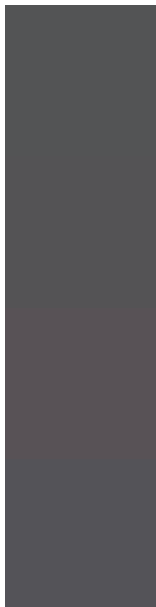
29.6326, 1.9747, 0.6784



## Tritanopia

29.6808, -0.2520, -1.0376

# Trichromacy



## Original Color

29.7246, -1.7114, 1.1436

## Protanomaly

29.5418, -1.0089, 0.9372

## Deuteranomaly

29.6331, 0.6777, 0.6563

## Tritanomaly

29.6242, -0.5602, -0.2336

# Monochromacy



## Original Color

29.7246, -1.7114, 1.1436

## Achromatopsia

29.7751, -1.5887, 1.6177

## Achromatomaly

29.7751, -1.5887, 1.6177

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 29.7246, -1.7114, 1.1436 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(83, 84, 85)` looks like.

```
.text, #text, p{  
    color:rgb(83, 84, 85)  
}
```

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(83, 84, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 84, 85) }
```

## Border

The CSS property to change the border of an element to HunterLab 29.7246, -1.7114, 1.1436 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(83, 84, 85) }
```



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

```
.border{ border-color:rgb(83, 84, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 84, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 84, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 84, 85);  
box-shadow:4px 4px 4px 4px rgb(83, 84, 85)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 29.7246, -1.7114, 1.1436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 84, 85) }
```

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

```
.background{ background-color: rgb(83, 84,  
85) }
```

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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