

# Converting Colors

HunterLab(37.7500, -4.6671,  
4.4004)

Have a look what the booklet for  
HunterLab(37.7500, -4.6671, 4.4004)  
contains.

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# Color

**HunterLab(37.7628, -4.4585,  
4.2616)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	666B64
RGB	102, 107, 100
RGB Percent	40%, 42%, 39%
CMY	0.6000, 0.5804, 0.6078
CMYK	0.05, 0.00, 0.07, 0.58
HSL	103°, 3%, 41%
HSV	103°, 7%, 42%
XYZ	13.0375, 14.2603, 14.1219
YIQ	104.7070, -0.7330, -3.2370

# Conversions

## Conversions Part 2

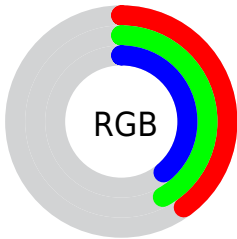
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 107, 105
Decimal	6712164
CIE <sub>Lab</sub>	44.60, -3.36, 3.25
CIE <sub>LCh</sub>	45, 4.678, 135.950
Yxy	14.2609, 0.3148, 0.3443
Android (android.graphics.Color)	4284902244 (0xFF666B64)
YUV	104.7070, -2.3206, -2.3740
Hunter-Lab	37.7628, -4.4585, 4.2616

# Details

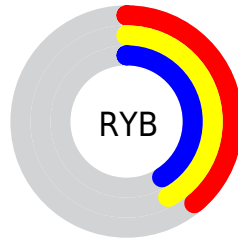
The HunterLab color  $37.7628, -4.4585, 4.2616$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $36.3036, 0.5712, -0.3384$ , and the grayscale version is  $37.4835, -2.0000, 2.0365$ .

A 20% lighter version of the original color is  $57.8450, -5.7232, 5.5340$ , and  $20.7388, -3.2934, 3.0923$  is the 20% darker color. If you saturate the color by 10%, you get  $36.9336, -7.9592, 7.3404$ , and if you desaturate by 10%, it is  $38.6644, -0.7347, 0.8826$ .

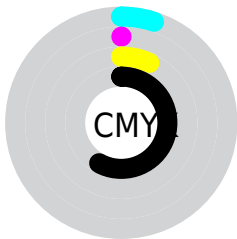
# Distribution



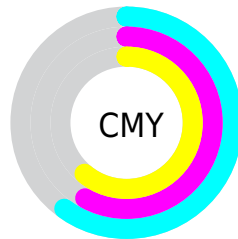
- Red (40%)
- Green (42%)
- Blue (39%)



- Red (39%)
- Yellow (42%)
- Blue (41%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (58%)



- Cyan (60%)
- Magenta (58%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 37.7628, -4.4585, 4.2616 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 37.7628, -4.4585, 4.2616 by changing the saturation by 10% instead.



■ 37.7628, -4.4585,  
4.2616

■ 37.7628, -4.4585,  
4.2616

147.9351,  
-11.7814, 11.5968

■ 28.8138, -3.7651,  
3.5722

■ 57.9234, -5.9195,  
5.7176

■ 20.7099, -3.0926,  
2.9056

■ 69.0303, -6.6861,  
6.4837

■ 13.5518, -2.4375,  
2.2579

■ 80.7683, -7.4769,  
7.2751

■ 7.1399, -2.4335,  
2.2771

■ 93.1052, -8.2917,  
8.0915

0.0000, NaN, NaN

0.0000, NaN, NaN

106.0132, -9.1299,  
8.9323

0.0000, NaN, NaN

119.4680, -9.9912,

0.0000, NaN, NaN

133.4484,  
-10.8752, 10.6854

■ 37.7628, -4.4585,  
4.2616

■ 37.7628, -4.4585,  
4.2616

■ 36.9336, -7.9592,  
7.3404

■ 38.6644, -0.7347,  
0.8826

■ 36.1761, -11.2106,  
10.0966

■ 39.6336, 3.1912,  
-2.7760

■ 35.4927, -14.1914,  
12.5131

■ 40.6689, 7.2952,  
-6.6905

■ 34.8842, -16.8816,  
14.5764

■ 41.7675, 11.5552,  
-10.8377

■ 34.3509, -19.2645,  
16.2787

■ 42.9268, 15.9507,  
-15.1953

■ 33.8922, -21.3284,  
17.6191

■ 44.1440, 20.4629,  
-19.7418

■ 33.5067, -23.0674,  
18.6055

■ 45.4161, 25.0747,  
-24.4575

■ 33.1920, -24.4832,  
19.2564

■ 46.7407, 29.7713,  
-29.3240

■ 32.9405, -25.6095,  
19.6583

■ 48.1148, 34.5395,  
-34.3247

# Harmonies

## Analogous

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



37.7636, -2.9583, 5.0704



37.7628, -4.4585, 4.2616



37.7636, -5.2986, 2.8419

# Triad

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



37.7636, -4.4594, 4.2622



37.7636, -2.8490, -1.2610



37.7636, 1.3501, 2.9444

# Complementary

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



37.7628, -4.4585, 4.2616



36.3036, 0.5712, -0.3384

# 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.



37.7636, 1.3807, 1.2520



37.7628, -4.4585, 4.2616



37.7636, -1.0664, -1.2304

# Square

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



37.7636, -4.4594, 4.2622



37.7636, -4.3807, -0.3745



37.7636, 0.4891, -0.2928



37.7636, 0.4063, 4.3342



# Rectangle

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



37.7628, -4.4585, 4.2616



37.7636, -5.3801, 1.7145



37.7636, 0.4891, -0.2928



37.7636, 1.4681, 2.3935

# Sweetspot

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



37.7636, -4.4594, 4.2622



51.0613, -3.7660, 3.7221



37.5890, -2.1209, 4.1075



25.1309, -1.8123, 1.7945



75.5302, -4.0301, 4.1037



25.2436, -1.3469, 1.3715



# Same Dimension

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



37.7636, -4.4594, 4.2622



50.3384, -6.7769, 6.4252



37.6468, -4.8013, 3.5609



18.6622, -2.6474, 2.5022



36.2275, -28.7118, 21.8206



81.5372, -65.8230, 49.0905



# Inverse Universe

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



36.3036, 0.5712, -0.3384



47.8868, 1.6716, -1.3021



36.4319, 0.9275, 0.4505



17.6710, 0.7687, -0.6225



17.7955, 37.7322, -44.7543

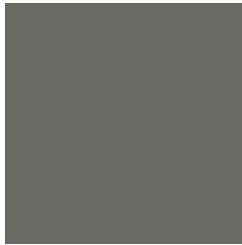


39.5982, 84.4304, -103.2275



# Previews

## White Background



This preview shows how the HunterLab color 37.7628, -4.4585, 4.2616 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

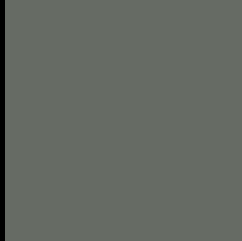
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 37.7628, -4.4585, 4.2616 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

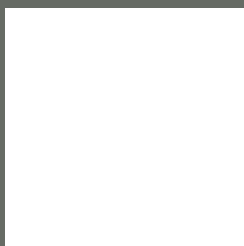
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

## HunterLab 37.7628, -4.4585, 4.2616 Background



This preview shows how black text looks on a background with the HunterLab color 37.7628, -4.4585, 4.2616.



This preview shows how white text looks on a background with the HunterLab color 37.7628, -4.4585,



# 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

37.7628, -4.4585, 4.2616

### Protanopia

37.7561, -1.7271, 4.6980

### Deuteranopia

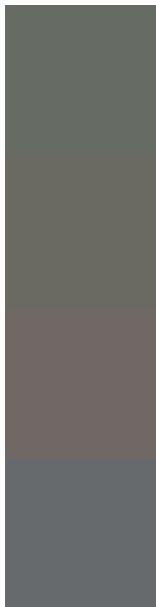
37.7150, 2.3244, 3.9255



## Tritanopia

37.7339, -1.0319, -1.3142

# Trichromacy



## Original Color

37.7628, -4.4585, 4.2616

## Protanomaly

37.7797, -3.0390, 4.7012

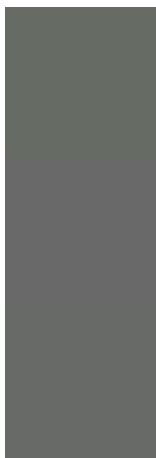
## Deuteranomaly

37.7954, -0.1109, 3.9736

## Tritanomaly

37.7814, -2.5519, 0.9720

# Monochromacy



## Original Color

37.7628, -4.4585, 4.2616

## Achromatopsia

37.5850, -2.0054, 2.0421

## Achromatomaly

37.7232, -3.0295, 3.0237

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 37.7628, -4.4585, 4.2616 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(102, 107, 100)` looks like.

```
.text, #text, p{  
    color:rgb(102, 107, 100)  
}
```

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(102, 107, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 107, 100) }
```

## Border

The CSS property to change the border of an element to HunterLab 37.7628, -4.4585, 4.2616 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(102, 107, 100) }
```



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

```
.border{ border-color:rgb(102, 107, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 107, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 107, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 107, 100); box-shadow:4px 4px 4px 4px rgb(102, 107, 100) }
```

# Background

The CSS property to change the background color of an element to HunterLab 37.7628, -4.4585, 4.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 107, 100) }
```

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

```
.background{ background-color: rgb(102,  
107, 100) }
```

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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