

# Converting Colors

HunterLab(37.7588, -10.6324,  
-24.2534)

Have a look what the booklet for  
HunterLab(37.7588, -10.6324,  
-24.2534) contains.

<b>HunterLab(37.8610, -10.7794, -24.0533)</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> .....	30

# Color

**HunterLab(37.8610,  
-10.7794, -24.0533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007299
RGB	0, 114, 153
RGB Percent	0%, 45%, 60%
CMY	0.9999, 0.5529, 0.4000
CMYK	1.00, 0.25, 0.00, 0.40
HSL	195°, 100%, 30%
HSV	195°, 100%, 60%
XYZ	11.7671, 14.3346, 32.2837
YIQ	84.3600, -80.4630, -12.0390

# Conversions

## Conversions Part 2

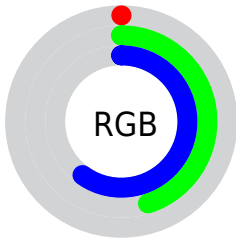
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 65, 153
Decimal	29337
CIELab	44.71, -12.48, -28.69
CIELCh	45, 31.288, 246.499
Yxy	14.3350, 0.2015, 0.2455
Android (android.graphics.Color)	4278219417 (0xFF007299)
YUV	84.3600, 33.8395, -73.9837
Hunter-Lab	37.8610, -10.7794, -24.0533

# Details

The HunterLab color **37.8610, -10.7794, -24.0533** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **28.6794, 36.0972, 18.3026**, and the grayscale version is **29.8109, -1.5906, 1.6197**.

A 20% lighter version of the original color is **58.1015, -13.2971, -25.3262**, and **22.0357, -3.3539, -20.3026** is the 20% darker color. If you saturate the color by 10%, you get **37.8596, -10.7771, -24.0564**, and if you desaturate by 10%, it is **39.1638, -11.9333, -21.7012**.

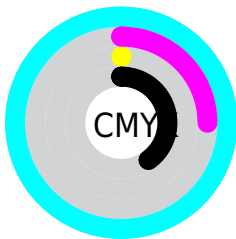
# Distribution



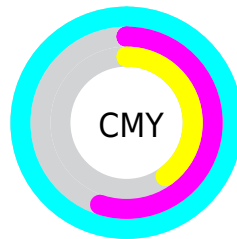
- Red (0%)
- Green (45%)
- Blue (60%)



- Red (0%)
- Yellow (25%)
- Blue (60%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (55%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 37.8610, -10.7794, -24.0533 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 37.8610, -10.7794, -24.0533 by changing the saturation by 10% instead.



37.8610, -10.7794,  
-24.0533

37.8610, -10.7794,  
-24.0533

148.0896,  
-22.1097, -27.2344

28.9034, -9.4707,  
-23.4852

58.0365, -13.3182,  
-25.1238

20.7902, -8.1119,  
-22.9733

69.1501, -14.5697,  
-25.5888

13.6215, -6.6657,  
-22.7007

80.8946, -15.8176,  
-25.9987

7.2207, -7.9148,  
-24.7927

93.2376, -17.0657,  
-26.3528

0.0000, NaN, -NF

0.0000, NaN, -NF

106.1514,  
-18.3171, -26.6517

0.0000, NaN, NaN

119.6119,

0.0000, NaN, NaN

-19.5739, -26.8970

0.0000, NaN, NaN

133.5976,  
-20.8376, -27.0906

■ 37.8610, -10.7794,  
-24.0533

■ 37.8610, -10.7794,  
-24.0533

■ 37.8596, -10.7771,  
-24.0564

■ 39.1638, -11.9333,  
-21.7012

■ 40.5661, -12.7361,  
-19.2741

■ 42.1010, -13.0640,  
-16.7281

■ 43.7712, -12.9084,  
-14.0767

■ 45.5758, -12.2794,  
-11.3374

■ 47.5109, -11.1995,  
-8.5292

■ 49.5716, -9.6983,  
-5.6697

■ 51.7517, -7.8094,  
-2.7748

■ 54.0448, -5.5676,  
0.1424

# Harmonies

## Analogous

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



37.8616, -18.8209, -13.4316



37.8610, -10.7794, -24.0533



37.8616, 0.6212, -26.8244

# Triad

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



37.8616, -10.7790, -24.0526



37.8616, 23.6980, 4.4588



37.8616, -14.7757, 15.7857

# Complementary

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



37.8610, -10.7794, -24.0533



28.6794, 36.0972, 18.3026

# 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.



37.8616, -4.5950, 18.0109



37.8610, -10.7794, -24.0533



37.8616, 18.3369, 12.9175

# Square

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



37.8616, -10.7790, -24.0526



37.8616, 21.5091, -7.7625



37.8616, 7.6107, 17.1547



37.8616, -20.9199, 9.8007



# Rectangle

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



37.8610, -10.7794, -24.0533



37.8616, 8.8165, -23.2699



37.8616, 7.6107, 17.1547



37.8616, -11.7640, 16.8970

# Sweetspot

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



37.8616, -10.7790, -24.0526



66.1658, -13.1162, -7.8219



47.8796, -39.9995, 26.5040



30.5853, -6.5510, -4.3704



87.6224, -4.6753, 4.7607



35.4919, -1.8938, 1.9283



# Same Dimension

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



37.8616, -10.7790, -24.0526



50.3580, -13.9822, -32.7595



19.2446, 26.1651, -80.5324



25.9996, -2.5817, 0.1747



34.4984, -9.9120, -21.7229



4.8439, -2.0593, -1.6091



# Inverse Universe

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



28.2628, 52.6946, -15.0593



37.7792, 70.3735, -19.5837



43.5643, 2.5970, 26.8886



25.0933, 1.5696, -0.0480



25.7036, 47.9458, -13.8370



3.2326, 6.1799, -2.9032



# Previews

## White Background



This preview shows how the HunterLab color 37.8610, -10.7794, -24.0533 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 37.8610, -10.7794, -24.0533 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

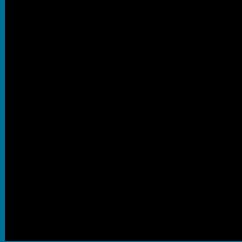
Any Text WCAG AA × Fail

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 37.8610, -10.7794, -24.0533 Background



This preview shows how black text looks on a background with the HunterLab color 37.8610, -10.7794, -24.0533.



This preview shows how white text looks on a background with the HunterLab color 37.8610,

-10.7794, -24.0533.

# 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

37.8610, -10.7794, -24.0533

### Protanopia

37.7785, 2.7550, -18.7144

### Deuteranopia

37.8874, 2.5962, -25.1367

# Trichromacy



## Original Color

37.8610, -10.7794, -24.0533

## Protanomaly

37.1390, -4.8597, -21.9275

## Deuteranomaly

37.1687, -4.2296, -25.9379

# Monochromacy



## Original Color

37.8610, -10.7794, -24.0533

## Achromatopsia

29.7751, -1.5887, 1.6177

## Achromatomaly

31.6945, -8.6040, -7.6855

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 37.8610, -10.7794, -24.0533 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 153) }
```

## Border

The CSS property to change the border of an element to HunterLab 37.8610, -10.7794, -24.0533 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, 153) }
```

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

```
.border{ border-color:rgb(0, 114, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
153) }
```



# Background

The CSS property to change the background color of an element to HunterLab 37.8610, -10.7794, -24.0533 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, 153) }
```

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

```
.background{ background-color: rgb(0, 114,  
153) }
```

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](#).

# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor