

# Converting Colors

HunterLab(38.9632, 0.9865,  
-32.3434)

Have a look what the booklet for  
HunterLab(38.9632, 0.9865,  
-32.3434) contains.

<b>HunterLab(39.0911, 0.8590, -32.0852)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**HunterLab(39.0911, 0.8590,  
-32.0852)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	466EA8
RGB	70, 110, 168
RGB Percent	27%, 43%, 66%
CMY	0.7255, 0.5686, 0.3412
CMYK	0.58, 0.35, 0.00, 0.34
HSL	216°, 41%, 47%
HSV	216°, 58%, 66%
XYZ	15.1696, 15.2811, 39.1959
YIQ	104.6520, -42.4580, 9.5580

# Conversions

## Conversions Part 2

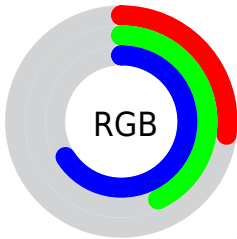
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	70, 98, 168
Decimal	4615848
CIE Lab	46.02, 3.90, -35.35
CIE LCh	46, 35.562, 276.300
Yxy	15.2817, 0.2178, 0.2194
Android (android.graphics.Color)	4282805928 (0xFF466EA8)
YUV	104.6520, 31.2306, -30.3898
Hunter-Lab	39.0911, 0.8590, -32.0852

# Details

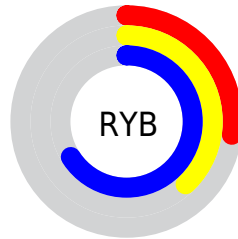
The HunterLab color  $[39.0911, 0.8590, -32.0852]$  is a dark color, and the websafe version is hex  $336699$ . A complement of this color would be  $[49.2002, 4.5061, 23.4122]$ , and the grayscale version is  $[37.3511, -1.9930, 2.0294]$ .

A 20% lighter version of the original color is  $[59.4198, 0.5669, -33.7428]$ , and  $[21.9453, 1.6947, -31.0882]$  is the 20% darker color. If you saturate the color by 10%, you get  $[35.6584, 3.2230, -39.5686]$ , and if you desaturate by 10%, it is  $[42.7361, -0.9002, -25.0781]$ .

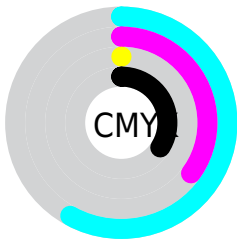
# Distribution



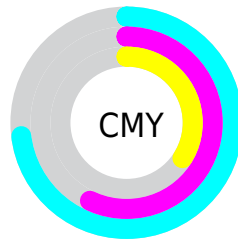
- Red (27%)
- Green (43%)
- Blue (66%)



- Red (27%)
- Yellow (38%)
- Blue (66%)



- Cyan (58%)
- Magenta (35%)
- Yellow (0%)
- Black (34%)



- Cyan (73%)
- Magenta (57%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 39.0911, 0.8590, -32.0852 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 39.0911, 0.8590, -32.0852 by changing the saturation by 10% instead.



■ 39.0911, 0.8590,  
-32.0852

■ 39.0911, 0.8590,  
-32.0852

■ 150.0216, -3.4382,  
-36.5392

■ 30.0288, 1.1028,  
-31.5066

■ 59.4530, 0.2018,  
-33.3386

■ 21.8002, 1.2783,  
-31.0995

■ 70.6512, -0.2006,  
-33.9360

■ 14.5009, 1.3720,  
-31.1651

■ 82.4756, -0.6467,  
-34.4924

■ 8.1620, 1.6474,  
-33.2371

■ 94.8948, -1.1332,  
-35.0016

0.0000, NaN, -NF

0.0000, NaN, -NF

■ 107.8814, -1.6576,  
-35.4611

0.0000, NaN, NaN

121.4118, -2.2178,

0.0000, NaN, NaN

-35.8702

0.0000, NaN, NaN

135.4647, -2.8119,  
-36.2293

■ 39.0911, 0.8590,  
-32.0852

■ 39.0911, 0.8590,  
-32.0852

■ 35.6584, 3.2230,  
-39.5686

■ 42.7361, -0.9002,  
-25.0781

■ 32.4675, 6.2727,  
-47.5352

■ 46.5641, -2.1395,  
-18.5158

■ 29.5539, 10.0663,  
-55.9335

■ 50.5531, -2.9364,  
-12.3496

■ 26.9338, 14.5505,  
-64.6994

■ 54.6842, -3.3581,  
-6.5290

■ 26.5153, 15.3282,  
-66.2309

■ 58.9419, -3.4615,  
-1.0058

■ 63.3132, -3.2938,  
4.2636

■ 67.7874, -2.8939,  
9.3173

■ 72.3553, -2.2938,  
14.1881

■ 77.0094, -1.5201,  
18.9041

# Harmonies

## Analogous

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



39.0918, -12.1684, -28.6618



39.0911, 0.8590, -32.0852



39.0918, 14.8486, -24.0900

# Triad

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



39.0918, 0.8592, -32.0843



39.0918, 21.6131, 14.2920



39.0918, -23.4922, 10.9560

# Complementary

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



39.0911, 0.8590, -32.0852



49.2002, 4.5061, 23.4122

# 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.



39.0918, -16.5563, 17.4674



39.0911, 0.8590, -32.0852



39.0918, 9.1303, 18.8752

# Square

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



39.0918, 0.8592, -32.0843



39.0918, 27.8534, 4.7913



39.0918, -4.9503, 19.7935



39.0918, -25.0717, -0.7372



# Rectangle

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



39.0911, 0.8590, -32.0852



39.0918, 22.4602, -14.5793



39.0918, -4.9503, 19.7935



39.0918, -21.7617, 13.6790

# Sweetspot

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



39.0918, 0.8592, -32.0843



74.2409, -4.5563, -8.0200



55.5379, -31.7193, 12.1699



34.1583, -2.0970, -4.4208



92.0917, -4.9138, 5.0035



39.3538, -2.0998, 2.1382



# Same Dimension

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



39.0918, 0.8592, -32.0843



46.7289, 5.4547, -56.4062



29.7238, 22.5351, -55.1858



27.9008, -1.6513, -0.7257



23.2488, 12.8478, -56.7936



4.8238, -0.2922, -5.3986



# Inverse Universe

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



37.1910, 36.4439, 0.0367



45.3308, 59.1423, 2.0560



59.9202, -16.7650, 30.8949



27.5521, 1.3667, 1.0136



25.7229, 45.3346, 6.6734

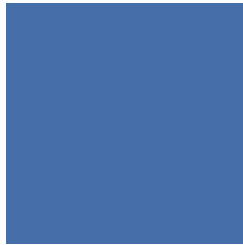


4.1376, 7.5268, -0.7448



# Previews

## White Background



This preview shows how the HunterLab color 39.0911, 0.8590, -32.0852 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 39.0911, 0.8590, -32.0852 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

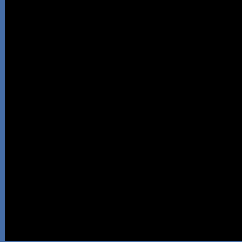
Any Text WCAG AA × Fail

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 39.0911, 0.8590, -32.0852 Background



This preview shows how black text looks on a background with the HunterLab color 39.0911, 0.8590, -32.0852.



This preview shows how white text looks on a background with the HunterLab color 39.0911, 0.8590, -32.0852.



# 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

39.0911, 0.8590, -32.0852

### Protanopia

39.1238, 4.8688, -29.7527

### Deuteranopia

38.9512, 3.1980, -32.3321



## Tritanopia

39.0797, -14.2961, -7.1530

# Trichromacy



## Original Color

39.0911, 0.8590, -32.0852

## Protanomaly

39.0226, 3.2468, -30.7112

## Deuteranomaly

39.0644, 2.1801, -32.1167

## Tritanomaly

38.9544, -9.0941, -15.7082

# Monochromacy



## Original Color

39.0911, 0.8590, -32.0852

## Achromatopsia

37.5850, -2.0054, 2.0421

## Achromatomaly

37.8804, -2.3573, -8.6640

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 39.0911, 0.8590, -32.0852 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(70, 110, 168)` looks like.

```
.text, #text, p{  
    color:rgb(70, 110, 168)  
}
```

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(70, 110, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 110, 168) }
```

## Border

The CSS property to change the border of an element to HunterLab 39.0911, 0.8590, -32.0852 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(70, 110, 168) }
```



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

```
.border{ border-color:rgb(70, 110, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 110, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 110, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 110, 168);  
box-shadow:4px 4px 4px 4px rgb(70, 110,  
168) }
```

# Background

The CSS property to change the background color of an element to HunterLab 39.0911, 0.8590, -32.0852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 110, 168) }
```

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

```
.background{ background-color: rgb(70, 110,  
168) }
```

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