

# Converting Colors

HunterLab(35.2417, -3.2426,  
-17.7144)

Have a look what the booklet for  
HunterLab(35.2417, -3.2426,  
-17.7144) contains.

<b>HunterLab(35.3684, -3.4560, -17.3132)</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(35.3684, -3.4560,  
-17.3132)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	446688
RGB	68, 102, 136
RGB Percent	27%, 40%, 53%
CMY	0.7333, 0.6000, 0.4667
CMYK	0.50, 0.25, 0.00, 0.47
HSL	210°, 33%, 40%
HSV	210°, 50%, 53%
XYZ	11.5792, 12.5092, 25.0968
YIQ	95.7100, -31.1780, 3.3660

# Conversions

## Conversions Part 2

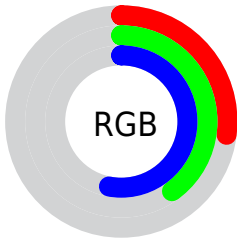
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	68, 91, 136
Decimal	4482696
CIE Lab	42.01, -2.20, -22.60
CIE LCh	42, 22.707, 264.451
Yxy	12.5097, 0.2354, 0.2543
Android (android.graphics.Color)	4282672776 (0xFF446688)
YUV	95.7100, 19.8630, -24.3017
Hunter-Lab	35.3684, -3.4560, -17.3132

# Details

The HunterLab color **35.3684, -3.4560, -17.3132** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **38.9292, 5.0017, 15.7456**, and the grayscale version is **34.0302, -1.8158, 1.8489**.

A 20% lighter version of the original color is **55.1812, -4.9503, -17.8132**, and **18.6613, -2.0720, -16.5094** is the 20% darker color. If you saturate the color by 10%, you get **32.8540, -2.6339, -21.8370**, and if you desaturate by 10%, it is **38.0114, -3.8913, -12.9776**.

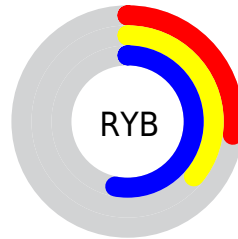
# Distribution



Red (27%)

Green (40%)

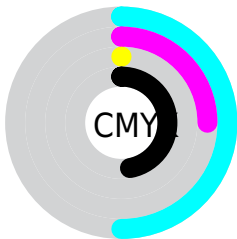
Blue (53%)



Red (27%)

Yellow (36%)

Blue (53%)

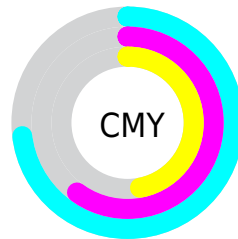


Cyan (50%)

Magenta (25%)

Yellow (0%)

Black (47%)



Cyan (73%)

Magenta (60%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 35.3684, -3.4560, -17.3132 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 35.3684, -3.4560, -17.3132 by changing the saturation by 10% instead.



■ 35.3684, -3.4560,  
-17.3132

■ 35.3684, -3.4560,  
-17.3132

144.1357,  
-10.2148, -19.1299

■ 26.6304, -2.8453,  
-16.8246

■ 55.1544, -4.7671,  
-18.1302

■ 18.7605, -2.2646,  
-16.3241

■ 66.0919, -5.4659,  
-18.4461

■ 11.8686, -1.7126,  
-15.9265

■ 77.6697, -6.1925,  
-18.7000

■ 4.7231, -2.2782,  
-23.0938

■ 89.8543, -6.9461,  
-18.8942

0.0000, NaN, -NF

0.0000, NaN, NaN

■ 102.6169, -7.7258,  
-19.0316

0.0000, NaN, NaN

115.9323, -8.5310,

0.0000, NaN, NaN

-19.1149

0.0000, NaN, NaN

129.7784, -9.3608,  
-19.1468

■ 35.3684, -3.4560,  
-17.3132

■ 35.3684, -3.4560,  
-17.3132

■ 32.8540, -2.6339,  
-21.8370

■ 38.0114, -3.8913,  
-12.9776

■ 30.4803, -1.3762,  
-26.5510

■ 40.7683, -3.9872,  
-8.8236

■ 28.2631, 0.3617,  
-31.4414

■ 43.6283, -3.7871,  
-4.8372

■ 26.2165, 2.6098,  
-36.4776

■ 46.5815, -3.3294,  
-1.0025

■ 24.3146, 5.2499,  
-41.7237

■ 49.6195, -2.6474,  
2.6966

■ 24.3143, 5.2504,  
-41.7248

■ 52.7348, -1.7694,  
6.2758

■ 55.9209, -0.7197,  
9.7495

■ 59.1724, 0.4813,  
13.1311

■ 62.4844, 1.8162,  
16.4324

# Harmonies

## Analogous

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



35.3691, -10.9002, -13.2072



35.3684, -3.4560, -17.3132



35.3691, 5.1344, -15.3572

# Triad

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



35.3691, -3.4561, -17.3125



35.3691, 14.2555, 7.7757



35.3691, -14.2306, 9.8254

# Complementary

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



35.3684, -3.4560, -17.3132



38.9292, 5.0017, 15.7456

# 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.



35.3691, -8.4040, 13.3570



35.3684, -3.4560, -17.3132



35.3691, 8.1255, 12.3841

# Square

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



35.3691, -3.4561, -17.3125



35.3691, 15.8957, 0.3882



35.3691, -0.2944, 14.1688



35.3691, -16.7330, 3.3962



# Rectangle

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



35.3684, -3.4560, -17.3132



35.3691, 10.3017, -11.0714



35.3691, -0.2944, 14.1688



35.3691, -12.6241, 11.3241

# Sweetspot

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



35.3691, -3.4561, -17.3125



59.7342, -4.7832, -4.0189



44.4937, -23.3567, 10.2566



28.4014, -2.3521, -2.3855



83.1908, -4.4389, 4.5199



31.6988, -1.6914, 1.7223



# Same Dimension

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



35.3691, -3.4561, -17.3125



43.1923, -3.3131, -29.7902



26.7231, 12.6523, -34.9910



22.9747, -1.6094, -0.3381



23.6938, 5.0319, -40.4777



2.5794, -0.6649, -1.7886



# Inverse Universe

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



32.1376, 24.9573, -2.9517



38.8413, 40.9103, -4.0369



48.2288, -10.3739, 22.8130



22.5556, 1.1278, 0.6094



23.1321, 41.3301, 1.6475

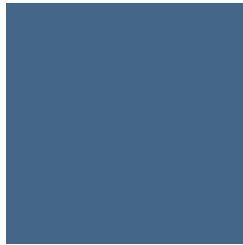


1.9621, 3.6450, -0.9399



# Previews

## White Background



This preview shows how the HunterLab color 35.3684, -3.4560, -17.3132 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

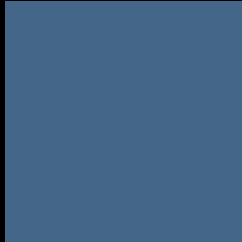
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 35.3684, -3.4560, -17.3132 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

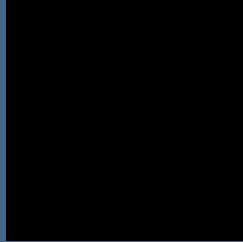
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

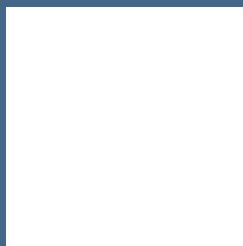
Any Text WCAG AAA × Fail

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

# HunterLab 35.3684, -3.4560, -17.3132 Background



This preview shows how black text looks on a background with the HunterLab color 35.3684, -3.4560, -17.3132.



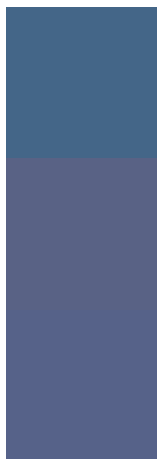
This preview shows how white text looks on a background with the HunterLab color 35.3684, -3.4560, -17.3132.



# 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

35.3684, -3.4560, -17.3132

### Protanopia

35.4297, 2.0889, -15.2662

### Deuteranopia

35.3835, 2.2517, -17.8146



## Tritanopia

35.4090, -10.6827, -5.5269

# Trichromacy



## Original Color

35.3684, -3.4560, -17.3132

## Protanomaly

35.2055, 0.0357, -16.2899

## Deuteranomaly

35.2024, 0.2664, -18.1650

## Tritanomaly

35.5291, -8.2123, -9.5218

# Monochromacy



## Original Color

35.3684, -3.4560, -17.3132

## Achromatopsia

34.2010, -1.8249, 1.8582

## Achromatomaly

34.4405, -2.8725, -4.7180

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 35.3684, -3.4560, -17.3132 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(68, 102, 136)` looks like.

```
.text, #text, p{  
    color:rgb(68, 102, 136)  
}
```

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(68, 102, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 102, 136) }
```

## Border

The CSS property to change the border of an element to HunterLab 35.3684, -3.4560, -17.3132 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(68, 102, 136) }
```



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

```
.border{ border-color:rgb(68, 102, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 102, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 102, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 102, 136);  
box-shadow:4px 4px 4px 4px rgb(68, 102,  
136) }
```

# Background

The CSS property to change the background color of an element to HunterLab 35.3684, -3.4560, -17.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 102, 136) }
```

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

```
.background{ background-color: rgb(68, 102,  
136) }
```

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