

# Converting Colors

HunterLab(33.9374, -3.3435,  
-21.5908)

Have a look what the booklet for  
HunterLab(33.9374, -3.3435,  
-21.5908) contains.

<b>HunterLab(34.0588, -3.5374, -21.5964)</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(34.0588, -3.5374,  
-21.5964)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	37638B
RGB	55, 99, 139
RGB Percent	22%, 39%, 55%
CMY	0.7843, 0.6118, 0.4549
CMYK	0.60, 0.29, 0.00, 0.45
HSL	209°, 43%, 38%
HSV	209°, 60%, 55%
XYZ	10.6976, 11.6000, 26.1013
YIQ	90.4040, -39.0640, 3.1120

# Conversions

## Conversions Part 2

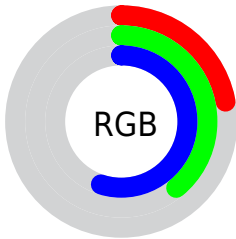
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 84, 139
Decimal	3629963
CIELab	40.57, -2.44, -26.70
CIElCh	41, 26.811, 264.776
Yxy	11.6004, 0.2210, 0.2397
Android (android.graphics.Color)	4281820043 (0xFF37638B)
YUV	90.4040, 23.9578, -31.0493
Hunter-Lab	34.0588, -3.5374, -21.5964

# Details

The HunterLab color  $[34.0588, -3.5374, -21.5964]$  is a dark color, and the websafe version is hex  $336699$ . A complement of this color would be  $[37.3496, 8.3797, 17.4228]$ , and the grayscale version is  $[32.0499, -1.7101, 1.7413]$ .

A 20% lighter version of the original color is  $[53.7719, -5.0078, -22.5832]$ , and  $[18.0762, -1.2554, -19.8836]$  is the 20% darker color. If you saturate the color by 10%, you get  $[31.7149, -2.3747, -26.1632]$ , and if you desaturate by 10%, it is  $[36.5457, -4.2555, -17.1834]$ .

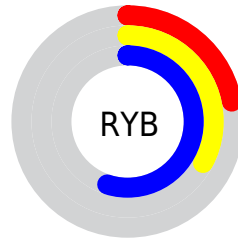
# Distribution



Red (22%)

Green (39%)

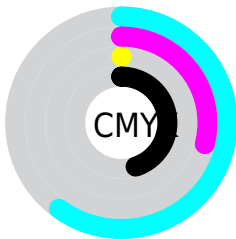
Blue (55%)



Red (22%)

Yellow (33%)

Blue (55%)

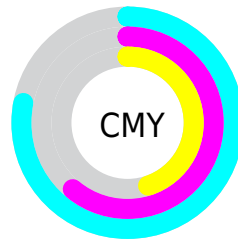


Cyan (60%)

Magenta (29%)

Yellow (0%)

Black (45%)



Cyan (78%)

Magenta (61%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 34.0588, -3.5374, -21.5964 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 34.0588, -3.5374, -21.5964 by changing the saturation by 10% instead.



■ 34.0588, -3.5374,  
-21.5964

■ 34.0588, -3.5374,  
-21.5964

■ 142.0358,  
-10.3689, -24.5107

■ 25.4406, -2.9144,  
-21.0491

■ 53.6332, -4.8687,  
-22.6219

■ 17.7039, -2.3195,  
-20.5689

■ 64.4753, -5.5765,  
-23.0603

■ 10.9647, -1.7499,  
-20.3905

■ 75.9631, -6.3114,  
-23.4412

■ 2.5206, -4.3549,  
-52.3057

■ 88.0621, -7.0728,  
-23.7643

0.0000, NaN, -NF

0.0000, NaN, NaN

■ 100.7430, -7.8599,  
-24.0308

0.0000, NaN, NaN

■ 113.9801, -8.6720,

0.0000, NaN, NaN

-24.2426

0.0000, NaN, NaN

127.7511, -9.5086,  
-24.4018

■ 34.0588, -3.5374,  
-21.5964

■ 34.0588, -3.5374,  
-21.5964

■ 31.7149, -2.3747,  
-26.1632

■ 36.5457, -4.2555,  
-17.1834

■ 29.5258, -0.7268,  
-30.8691

■ 39.1607, -4.5760,  
-12.9314

■ 27.5041, 1.4324,  
-35.6825

■ 41.8921, -4.5451,  
-8.8366

■ 25.6984, 3.8596,  
-40.4525

■ 44.7288, -4.2059,  
-4.8902

■ 47.6612, -3.5970,  
-1.0805

■ 50.6807, -2.7522,  
2.6052

■ 53.7797, -1.7007,  
6.1800

■ 56.9519, -0.4674,  
9.6562

■ 60.1915, 0.9264,  
13.0454

# Harmonies

## Analogous

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



34.0594, -12.1302, -16.5325



34.0588, -3.5374, -21.5964



34.0594, 6.5421, -19.0589

# Triad

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



34.0594, -3.5373, -21.5957



34.0594, 17.2717, 8.6106



34.0594, -16.0328, 10.7414

# Complementary

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



34.0588, -3.5374, -21.5964



37.3496, 8.3797, 17.4228

# 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.



34.0594, -9.4443, 14.5497



34.0588, -3.5374, -21.5964



34.0594, 9.8862, 13.5886

# Square

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



34.0594, -3.5373, -21.5957



34.0594, 19.3160, 0.1614



34.0594, -0.0663, 15.4185



34.0594, -18.7977, 3.4639



# Rectangle

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



34.0588, -3.5374, -21.5964



34.0594, 12.6721, -13.6917



34.0594, -0.0663, 15.4185



34.0594, -14.2311, 12.3768

# Sweetspot

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



34.0594, -3.5373, -21.5957



60.6461, -5.4901, -5.4911



44.8214, -27.3105, 13.0694



28.6250, -2.7194, -3.2862



84.2951, -4.4978, 4.5799



32.6403, -1.7416, 1.7734



# Same Dimension

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



34.0594, -3.5373, -21.5957



41.1967, -2.3423, -37.6104



23.8387, 16.2322, -45.7781



23.0160, -1.6773, -0.2879



24.4846, 3.5351, -38.2349



2.6300, -0.7381, -1.6939



# Inverse Universe

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



30.2038, 31.4544, -4.0107



36.5067, 50.7134, -4.5099



48.4044, -10.3281, 25.2178



22.5599, 1.1506, 0.5489



23.2151, 41.6318, 0.4644

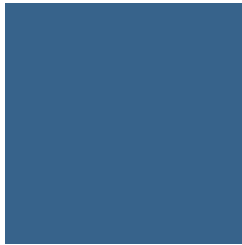


1.9689, 3.6691, -1.0326



# Previews

## White Background



This preview shows how the HunterLab color 34.0588, -3.5374, -21.5964 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

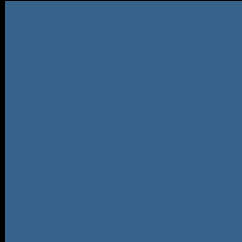
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 34.0588, -3.5374, -21.5964 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

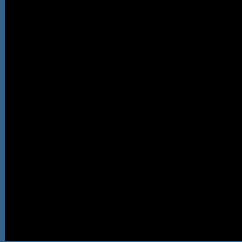
Any Text WCAG AA × Fail

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 34.0588, -3.5374, -21.5964 Background



This preview shows how black text looks on a background with the HunterLab color 34.0588, -3.5374, -21.5964.



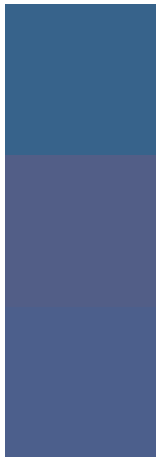
This preview shows how white text looks on a background with the HunterLab color 34.0588, -3.5374, -21.5964.

-21.5964.

# 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

34.0588, -3.5374, -21.5964

### Protanopia

33.9831, 2.8022, -19.0019

### Deuteranopia

34.0799, 2.1982, -22.1262



## Tritanopia

34.0354, -13.0365, -5.9595

# Trichromacy



## Original Color

34.0588, -3.5374, -21.5964

## Protanomaly

33.9426, 0.0219, -19.7710

## Deuteranomaly

33.8942, 0.1976, -22.5121

## Tritanomaly

33.9297, -9.7325, -11.4375

# Monochromacy



## Original Color

34.0588, -3.5374, -21.5964

## Achromatopsia

31.9753, -1.7061, 1.7373

## Achromatomaly

32.3870, -3.3170, -6.0737

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 34.0588, -3.5374, -21.5964 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(55, 99, 139)` looks like.

```
.text, #text, p{  
    color:rgb(55, 99, 139)  
}
```

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(55, 99, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 99, 139) }
```

## Border

The CSS property to change the border of an element to HunterLab 34.0588, -3.5374, -21.5964 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(55, 99, 139) }
```



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

```
.border{ border-color:rgb(55, 99, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 99, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 99, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 99, 139);  
box-shadow:4px 4px 4px 4px rgb(55, 99,  
139) }
```

# Background

The CSS property to change the background color of an element to HunterLab 34.0588, -3.5374, -21.5964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 99, 139) }
```

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

```
.background{ background-color: rgb(55, 99,  
139) }
```

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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