

# Converting Colors

HunterLab(13.5019, 4.3792,  
2.8249)

Have a look what the booklet for  
HunterLab(13.5019, 4.3792, 2.8249)  
contains.

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# Color

**HunterLab(13.5490, 4.3385,  
2.7521)**

# Conversions

Conversions Part 1	
Format	Color
Hex	33201F
RGB	51, 32, 31
RGB Percent	20%, 13%, 12%
CMY	0.8000, 0.8745, 0.8784
CMYK	0.00, 0.37, 0.39, 0.80
HSL	3°, 24%, 16%
HSV	3°, 39%, 20%
XYZ	2.1291, 1.8358, 1.5384
YIQ	37.5670, 11.6450, 3.7170

# Conversions

## Conversions Part 2

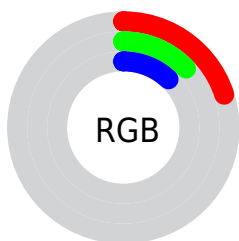
Format	Color
<a href="#">RYB</a>	<a href="#">51, 32, 31</a>
Decimal	<a href="#">3350559</a>
CIELab	<a href="#">14.60, 9.05, 4.41</a>
CIELCh	<a href="#">15, 10.064, 25.985</a>
Yxy	<a href="#">1.8358, 0.3869, 0.3336</a>
Android (android.graphics.Color)	<a href="#">4281540639</a> (0xFF33201F)
YUV	<a href="#">37.5670, -3.2375, 11.7807</a>
Hunter-Lab	<a href="#">13.5490, 4.3385, 2.7521</a>

# Details

The HunterLab color **13.5490, 4.3385, 2.7521** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16.7673, -4.8239, -0.8273**, and the grayscale version is **13.7908, -0.7358, 0.7493**.

A 20% lighter version of the original color is **28.7638, 4.8412, 4.0878**, and 0.0000, NaN, NaN is the 20% darker color. If you saturate the color by 10%, you get **12.5260, 5.8122, 3.2220**, and if you desaturate by 10%, it is **14.6471, 2.9089, 2.2876**.

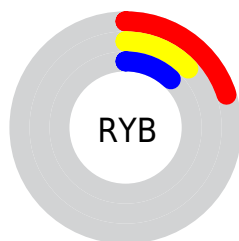
# Distribution



Red (20%)

Green (13%)

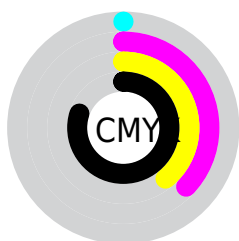
Blue (12%)



Red (20%)

Yellow (13%)

Blue (12%)

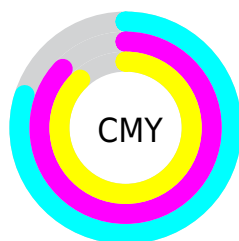


Cyan (0%)

Magenta (37%)

Yellow (39%)

Black (80%)



Cyan (80%)

Magenta (87%)


Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 13.5490, 4.3385, 2.7521 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 13.5490, 4.3385, 2.7521 by changing the saturation by 10% instead.




 13.5490, 4.3385,  
2.7521

 13.5490, 4.3385,  
2.7521


106.0083, 3.8920,  
10.0322

 7.1370, 5.1421,  
2.9493


 28.8106, 4.7990,  
4.2481

0.0000, NaN, NaN

0.0000, NaN, NaN


 37.7601, 4.8724,  
5.0130

0.0000, NaN, NaN


 47.4821, 4.8638,  
5.7963

0.0000, NaN, NaN

0.0000, NaN, NaN

 57.9194, 4.7842,  
6.6000

0.0000, NaN, NaN


 69.0260, 4.6416,  
7.4251


0.0000, NaN, NaN


 80.7638, 4.4423,


0.0000, NaN, NaN


8.2721

 93.1005, 4.1910,  
9.1412


 13.5490, 4.3385,  
2.7521


 13.5490, 4.3385,  
2.7521


 12.5260, 5.8122,  
3.2220


 14.6471, 2.9089,  
2.2876


 11.5889, 7.3157,  
3.6889


 15.8095, 1.5315,  
1.8322


 10.7511, 8.8179,  
4.1401

 17.0280, 0.2064,  
1.3878

 10.0267, 10.2697,  
4.5570

 18.2959, -1.0693,  
0.9550

 9.4059, 11.6226,  
5.0037

 19.6073, -2.2998,  
0.5332

■ 8.7656, 13.1545,  
5.5539

■ 20.9575, -3.4901,  
0.1217

■ 8.7134, 13.2873,  
5.6017

■ 22.3426, -4.6451,  
-0.2807

■ 23.7592, -5.7693,  
-0.6750

■ 25.2045, -6.8669,  
-1.0622

# Harmonies

## Analogous

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



13.5493, 4.9347, 0.3823



13.5490, 4.3385, 2.7521



13.5493, 2.3472, 4.2650

# Triad

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



13.5493, 4.3379, 2.7523



13.5493, -4.8150, 3.2494



13.5493, -1.0902, -5.2658

# Complementary

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



13.5490, 4.3385, 2.7521



16.7673, -4.8239, -0.8273

# 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.



13.5493, -3.5433, -4.1018



13.5490, 4.3385, 2.7521



13.5493, -5.5831, 1.0834

# Square

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



13.5493, 4.3379, 2.7523



13.5493, -2.9528, 4.5095



13.5493, -5.1365, -1.6438



13.5493, 1.6595, -4.5773



# Rectangle

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



13.5490, 4.3385, 2.7521



13.5493, 0.5743, 4.7505



13.5493, -5.1365, -1.6438



13.5493, -1.9746, -5.0729

# Sweetspot

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



13.5493, 4.3379, 2.7523



21.3991, 0.8415, 1.9822



13.8351, 7.1529, -4.2816



11.3058, 0.4366, 1.0440



59.5560, -3.1778, 3.2358



12.3795, -0.6605, 0.6726



# Same Dimension

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



13.5493, 4.3379, 2.7523



16.1101, 7.5372, 4.1669



15.6802, 0.3423, 4.7663



9.4373, 0.0430, 0.7398



14.9440, 23.9241, 9.6272



38.6644, 64.6458, 24.9565



# Inverse Universe

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



16.7673, -4.8239, -0.8273



21.2308, -7.1766, -1.5671



14.3106, -1.0770, -4.1768



9.8246, -1.0453, 0.3131



26.8110, -13.3304, -4.7350

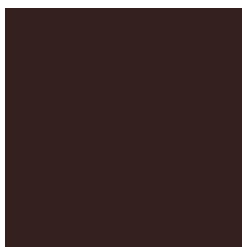


70.0652, -34.6212, -12.8382



# Previews

## White Background



This preview shows how the HunterLab color 13.5490, 4.3385, 2.7521 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 ✓ Pass



# Black Background



This preview shows how the HunterLab color 13.5490, 4.3385, 2.7521 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

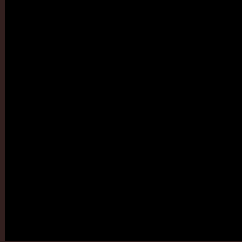
Any Text WCAG AA × Fail

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 13.5490, 4.3385, 2.7521 Background



This preview shows how black text looks on a background with the HunterLab color 13.5490, 4.3385, 2.7521.



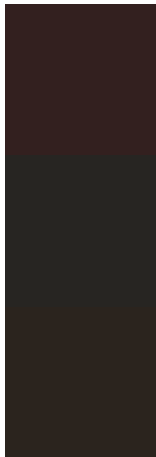
This preview shows how white text looks on a background with the HunterLab color 13.5490, 4.3385,



# 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

13.5490, 4.3385, 2.7521

### Protanopia

13.6747, -0.6043, 1.8541

### Deuteranopia

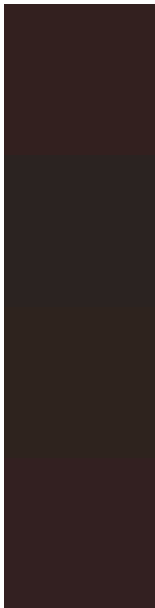
13.6714, 0.3793, 3.1041



## Tritanopia

13.6100, 4.6491, 1.8750

# Trichromacy



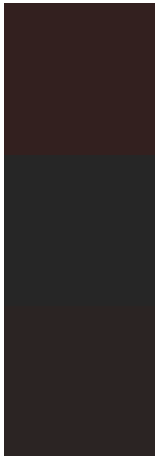
**Original Color**  
13.5490, 4.3385, 2.7521

**Protanomaly**  
13.5110, 1.0852, 2.0303

**Deuteranomaly**  
13.6991, 1.5928, 3.1531

**Tritanomaly**  
13.5891, 4.5428, 2.1753

# Monochromacy



**Original Color**  
13.5490, 4.3385, 2.7521

**Achromatopsia**  
13.9221, -0.7428, 0.7564

**Achromatomaly**  
13.7720, 0.9203, 1.6568

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 13.5490, 4.3385, 2.7521 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(51, 32, 31)` looks like.

```
.text, #text, p{  
    color:rgb(51, 32, 31)  
}
```

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(51, 32, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 32, 31) }
```

## Border

The CSS property to change the border of an element to HunterLab 13.5490, 4.3385, 2.7521 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(51, 32, 31) }
```



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

```
.border{ border-color:rgb(51, 32, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 32, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 32, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 32, 31);  
box-shadow:4px 4px 4px 4px rgb(51, 32, 31)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 13.5490, 4.3385, 2.7521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 32, 31) }
```

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

```
.background{ background-color: rgb(51, 32,  
31) }
```

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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