

# Converting Colors

HunterLab(18.5451, 18.5755,  
-42.0530)

Have a look what the booklet for  
HunterLab(18.5451, 18.5755,  
-42.0530) contains.

<b>HunterLab(18.5451, 18.5755, -42.0530)</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> .....	31

# Color

**HunterLab(18.5451, 18.5755,  
-42.0530)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	332775
RGB	51, 39, 117
RGB Percent	20%, 15%, 46%
CMY	0.8000, 0.8471, 0.5412
CMYK	0.56, 0.67, 0.00, 0.54
HSL	249°, 50%, 31%
HSV	249°, 67%, 46%
XYZ	5.3017, 3.4392, 17.2141
YIQ	51.4800, -17.8860, 26.8020

# Conversions

## Conversions Part 2

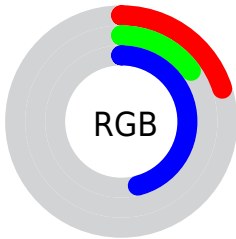
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 39, 117
Decimal	3352437
CIE <sub>Lab</sub>	21.72, 28.44, -43.10
CIE <sub>LCh</sub>	22, 51.641, 303.418
Yxy	3.4393, 0.2043, 0.1325
Android (android.graphics.Color)	4281542517 (0xFF332775)
YUV	51.4800, 32.3014, -0.4210
Hunter-Lab	18.5451, 18.5755, -42.0530

# Details

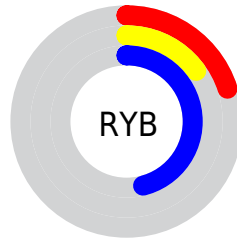
The HunterLab color **18.5451, 18.5755, -42.0530** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **39.8400, -13.4775, 21.4567**, and the grayscale version is **18.2555, -0.9741, 0.9919**.

A 20% lighter version of the original color is **35.1317, 20.8966, -42.1679**, and **6.4603, 17.5236, -45.9032** is the 20% darker color. If you saturate the color by 10%, you get **15.9863, 22.5867, -52.1721**, and if you desaturate by 10%, it is **21.4824, 14.7548, -32.9534**.

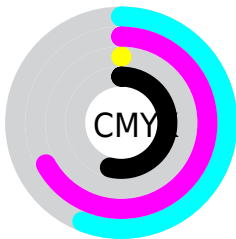
# Distribution



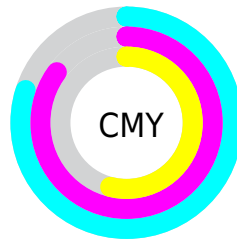
- Red (20%)
- Green (15%)
- Blue (46%)



- Red (20%)
- Yellow (15%)
- Blue (46%)



- Cyan (56%)
- Magenta (67%)
- Yellow (0%)
- Black (54%)



- Cyan (80%)
- Magenta (85%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 18.5451, 18.5755, -42.0530 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 18.5451, 18.5755, -42.0530 by changing the saturation by 10% instead.



■ 18.5451, 18.5755,  
-42.0530

■ 18.5451, 18.5755,  
-42.0530

■ 115.5368, 25.8053,  
-46.6412

■ 11.6840, 17.1657,  
-43.7012

■ 35.1030, 20.9719,  
-42.1264

■ 4.3684, 28.1554,  
-70.7763

■ 44.6092, 21.9644,  
-42.6861

0.0000, NaN, -NF

0.0000, NaN, -NF

■ 54.8458, 22.8382,  
-43.3487

0.0000, NaN, NaN

■ 65.7641, 23.6059,  
-44.0449

0.0000, NaN, NaN

■ 77.3238, 24.2782,  
-44.7382

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 89.4912, 24.8640,

-45.4087

0.0000, NaN, NaN

102.2372, 25.3709,  
-46.0451

18.5451, 18.5755,  
-42.0530

18.5451, 18.5755,  
-42.0530

15.9863, 22.5867,  
-52.1721

21.4824, 14.7548,  
-32.9534

13.9201, 26.4397,  
-62.6426

24.7092, 11.2241,  
-24.9610

12.3766, 29.8143,  
-72.4744

28.1629, 7.9749,  
-17.9373

11.8870, 31.1613,  
-76.0732

31.7994, 4.9633,  
-11.6974

35.5872, 2.1414,  
-6.0730

■ 39.5034, -0.5327,  
-0.9270

■ 43.5310, -3.0931,  
3.8471

■ 47.6570, -5.5662,  
8.3307

■ 51.8711, -7.9727,  
12.5864

# Harmonies

## Analogous

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



18.5454, 0.8309, -55.9796



18.5451, 18.5755, -42.0530



18.5454, 34.1542, -16.8221

# Triad

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



18.5454, 18.5760, -42.0523



18.5454, 14.4207, 12.9818



18.5454, -22.4309, -0.7726

# Complementary

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



18.5451, 18.5755, -42.0530



39.8400, -13.4775, 21.4567

# 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.



18.5454, -20.9063, 9.7735



18.5451, 18.5755, -42.0530



18.5454, -2.7443, 12.9818

# Square

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



18.5454, 18.5760, -42.0523



18.5454, 31.2505, 10.9671



18.5454, -14.7814, 12.9818



18.5454, -19.9656, -22.5653



# Rectangle

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



18.5451, 18.5755, -42.0530



18.5454, 39.1739, -2.5658



18.5454, -14.7814, 12.9818



18.5454, -22.3634, 3.9897

# Sweetspot

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



18.5454, 18.5760, -42.0523



45.6484, 4.2932, -10.9396



34.4676, -13.0369, -7.9394



21.3542, 2.4559, -6.0369



77.7063, -4.1462, 4.2219



27.0627, -1.4440, 1.4704



# Same Dimension

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



18.5454, 18.5760, -42.0523



19.8065, 33.0843, -77.4302



22.1226, 26.8338, -31.0033



19.0117, 0.0443, -1.0401



12.4574, 32.6927, -80.0031



27.0493, 71.8156, -180.1380



# Inverse Universe

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



25.0057, 31.9879, -15.7182



30.7528, 50.2607, -23.7701



37.4671, -22.7156, 19.6519



19.3616, 1.1835, -0.2040



22.7101, 43.2537, -19.1389

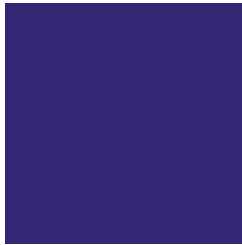


50.0310, 95.1244, -40.8856



# Previews

## White Background



This preview shows how the HunterLab color 18.5451, 18.5755, -42.0530 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 18.5451, 18.5755, -42.0530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

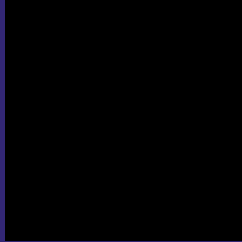
Any Text WCAG AA × Fail

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 18.5451, 18.5755, -42.0530 Background



This preview shows how black text looks on a background with the HunterLab color 18.5451, 18.5755, -42.0530.



This preview shows how white text looks on a background with the HunterLab color 18.5451, 18.5755, -42.0530.



# 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

18.5451, 18.5755, -42.0530

### Protanopia

18.5181, 4.5856, -33.0449

### Deuteranopia

18.4690, -0.9010, -21.1397



**Tritanopia**

18.5507, -5.5993, -2.7776

# Trichromacy



## Original Color

18.5451, 18.5755, -42.0530

## Protanomaly

18.2186, 8.8201, -37.5615

## Deuteranomaly

18.0960, 4.9852, -29.1010

## Tritanomaly

18.1311, 1.9910, -14.2491

# Monochromacy



## Original Color

18.5451, 18.5755, -42.0530

## Achromatopsia

18.1947, -0.9708, 0.9886

## Achromatomaly

18.0134, 4.6627, -10.7284

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 18.5451, 18.5755, -42.0530 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, 39, 117)` looks like.

```
.text, #text, p{  
    color:rgb(51, 39, 117)  
}
```

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, 39, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 39, 117) }
```

## Border

The CSS property to change the border of an element to HunterLab 18.5451, 18.5755, -42.0530 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, 39, 117) }
```



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

```
.border{ border-color:rgb(51, 39, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 39, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 39, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 39, 117);  
box-shadow:4px 4px 4px 4px rgb(51, 39,  
117) }
```

# Background

The CSS property to change the background color of an element to HunterLab 18.5451, 18.5755, -42.0530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 39, 117) }
```

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

```
.background{ background-color: rgb(51, 39,  
117) }
```

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