

# Converting Colors

HunterLab(17.6800, 49.8678,  
12.3760)

Have a look what the booklet for  
HunterLab(17.6800, 49.8678,  
12.3760) contains.

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# Color

**HunterLab(21.2415, 36.3768,  
13.7258)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7F0000
RGB	127, 0, 0
RGB Percent	50%, 0%, 0%
CMY	0.5020, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.50
HSL	0°, 100%, 25%
HSV	0°, 100%, 50%
XYZ	8.7524, 4.5120, 0.4096
YIQ	37.9730, 75.6920, 26.9240

# Conversions

## Conversions Part 2

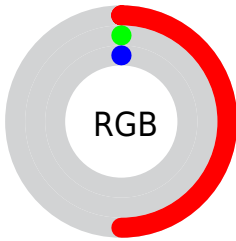
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 0, 0
Decimal	8323072
CIE Lab	25.30, 47.78, 37.76
CIE LCh	25, 60.899, 38.316
Yxy	4.5123, 0.6401, 0.3300
Android (android.graphics.Color)	4286513152 (0xFF7F0000)
YUV	37.9730, -18.7207, 78.0767
Hunter-Lab	21.2415, 36.3768, 13.7258

# Details

The HunterLab color **21.2415, 36.3768, 13.7258** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **40.8743, -21.6665, -4.3175**, and the grayscale version is **13.9569, -0.7447, 0.7583**.

A 20% lighter version of the original color is **38.4513, 40.3189, 20.4138**, and **11.0858, 18.9847, 7.1634** is the 20% darker color. If you saturate the color by 10%, you get **21.2422, 36.3740, 13.7261**, and if you desaturate by 10%, it is **21.9564, 34.4458, 13.1315**.

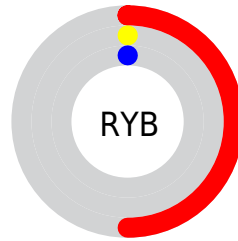
# Distribution



Red (50%)

Green (0%)

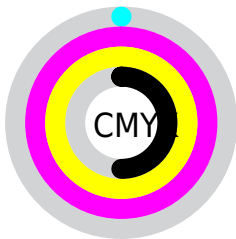
Blue (0%)



Red (50%)

Yellow (0%)

Blue (0%)

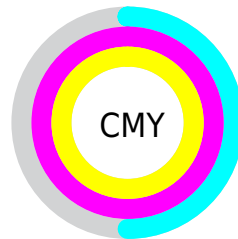


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (50%)



Cyan (50%)

Magenta (100%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 21.2415, 36.3768, 13.7258 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 21.2415, 36.3768, 13.7258 by changing the saturation by 10% instead.



■ 21.2415, 36.3768,  
13.7258

■ 21.2415, 36.3768,  
13.7258

■ 120.4198, 49.8072,  
39.3258

■ 14.0145, 34.5210,  
9.8102

■ 38.4129, 40.0852,  
20.3045

■ 7.6581, 34.7957,  
5.3607

■ 48.1864, 41.7948,  
23.3842

0.0000, INF, NaN

0.0000, NaN, NaN

■ 58.6718, 43.3897,  
26.2974

0.0000, NaN, NaN

■ 69.8235, 44.8726,  
29.0787

0.0000, NaN, NaN

■ 81.6040, 46.2493,  
31.7544


0.0000, NaN, NaN


0.0000, NaN, NaN


■ 93.9813, 47.5263,


34.3444

0.0000, NaN, NaN


 106.9279, 48.7102,  
36.8642

 21.2415, 36.3768,  
13.7258


 21.2415, 36.3768,  
13.7258


 21.2422, 36.3740,  
13.7261

 21.9564, 34.4458,  
13.1315

 23.0150, 31.7646,  
12.3099

 24.5883, 28.1170,  
11.2014

 26.6462, 23.8477,  
9.9193

 29.1340, 19.2860,  
8.5700

■ 31.9904, 14.6707,  
7.2292

■ 35.1573, 10.1425,  
5.9399

■ 38.5852, 5.7685,  
4.7210

■ 42.2331, 1.5695,  
3.5765

# Harmonies

## Analogous

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



21.2422, 49.2529, 5.6417



21.2415, 36.3768, 13.7258



21.2422, 14.3327, 14.8695

# Triad

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



21.2422, 36.3740, 13.7261



21.2422, -25.7369, 10.4815



21.2422, 4.4842, -71.4369

# Complementary

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



21.2415, 36.3768, 13.7258



40.8743, -21.6665, -4.3175

# 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.



21.2422, -13.1467, -64.4101



21.2415, 36.3768, 13.7258



21.2422, -26.7427, -4.5882

# Square

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



21.2422, 36.3740, 13.7261



21.2422, -19.5471, 14.8695



21.2422, -23.0630, -34.2720



21.2422, 27.0065, -49.1214



# Rectangle

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



21.2415, 36.3768, 13.7258



21.2422, -0.0365, 14.8695



21.2422, -23.0630, -34.2720



21.2422, -2.2107, -72.6519

# Sweetspot

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



21.2422, 36.3740, 13.7261



46.7327, 13.9993, 8.0690



24.5851, 48.3352, -32.4263



21.8678, 7.8073, 4.1971



80.9895, -4.3214, 4.4003



29.8298, -1.5916, 1.6207



# Same Dimension

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



21.2422, 36.3740, 13.7261



28.4261, 48.6767, 18.3682



28.5002, 16.2483, 17.8461



20.8431, 0.5880, 1.7025



21.3327, 36.5290, 13.7846

0.0000, NaN, NaN



# Inverse Universe

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



40.8743, -21.6665, -4.3175



54.6979, -28.9940, -5.7779



22.6780, 4.6752, -38.4379



22.1062, -2.7825, 0.6635



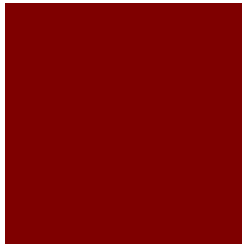
41.0484, -21.7588, -4.3359

0.0000, NaN, NaN



# Previews

## White Background



This preview shows how the HunterLab color 21.2415, 36.3768, 13.7258 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

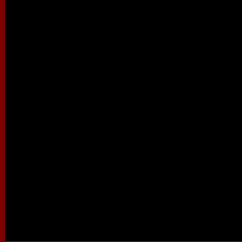
Any Text WCAG AA × Fail

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 21.2415, 36.3768, 13.7258 Background



This preview shows how black text looks on a background with the HunterLab color 21.2415, 36.3768, 13.7258.



This preview shows how white text looks on a background with the HunterLab color 21.2415, 36.3768,



# 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

21.2415, 36.3768, 13.7258

### Protanopia

22.5431, -3.0316, 12.5486

### Deuteranopia

22.5540, 0.5936, 13.9080



## Tritanopia

21.6762, 34.0035, 13.9520

# Trichromacy



## Original Color

21.2415, 36.3768, 13.7258

## Protanomaly

19.7056, 13.1744, 11.5091

## Deuteranomaly

20.1189, 15.9184, 12.6759

## Tritanomaly

21.4692, 34.6878, 13.8365

# Monochromacy



## Original Color

21.2415, 36.3768, 13.7258

## Achromatopsia

13.9221, -0.7428, 0.7564

## Achromatomaly

14.2173, 13.0023, 5.3845

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 21.2415, 36.3768, 13.7258 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(127, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(127, 0, 0)  
}
```

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(127, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 21.2415, 36.3768, 13.7258 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(127, 0, 0) }
```



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

```
.border{ border-color:rgb(127, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(127, 0, 0); box-shadow:4px  
4px 4px 4px rgb(127, 0, 0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 21.2415, 36.3768, 13.7258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 0) }
```

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

```
.background{ background-color: rgb(127, 0,  
0) }
```

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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