

# Converting Colors

HunterLab(42.4623, 72.7181,  
27.4365)

Have a look what the booklet for  
HunterLab(42.4623, 72.7181,  
27.4365) contains.

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# Color

**HunterLab(42.4317, 72.6657,  
27.4184)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED0000
RGB	237, 0, 0
RGB Percent	93%, 0%, 0%
CMY	0.0706, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.07
HSL	0°, 100%, 46%
HSV	0°, 100%, 93%
XYZ	34.9250, 18.0045, 1.6344
YIQ	70.8630, 141.2520, 50.2440

# Conversions

## Conversions Part 2

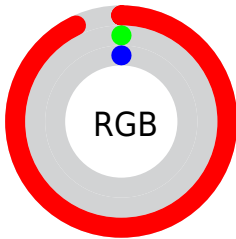
Format	Color
R <sub>Y</sub> B	237, 0, 0
Decimal	15532032
CIE Lab	49.50, 75.79, 63.60
CIE LCh	50, 98.936, 40.002
Yxy	18.0057, 0.6401, 0.3300
Android (android.graphics.Color)	4293722112 (0xFFED0000)
YUV	70.8630, -34.9355, 145.7021
Hunter-Lab	42.4317, 72.6657, 27.4184

# Details

The HunterLab color **42.4317, 72.6657, 27.4184** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **81.6381, -43.2667, -8.6400**, and the grayscale version is **25.1496, -1.3419, 1.3664**.

A 20% lighter version of the original color is **54.0369, 56.6638, 30.1842**, and **29.2336, 50.0635, 18.8901** is the 20% darker color. If you saturate the color by 10%, you get **42.4331, 72.6601, 27.4191**, and if you desaturate by 10%, it is **43.2576, 70.4085, 26.7256**.

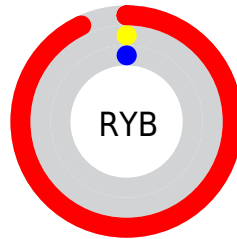
# Distribution



Red (93%)

Green (0%)

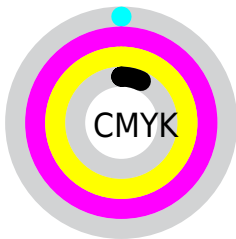
Blue (0%)



Red (93%)

Yellow (0%)

Blue (0%)

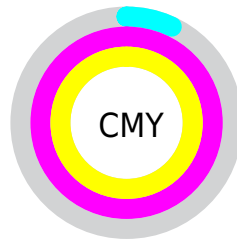


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (100%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the HunterLab color 42.4317, 72.6657, 27.4184 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 42.4317, 72.6657, 27.4184 by changing the saturation by 10% instead.





 42.4317, 72.6657,  
27.4184


 42.4317, 72.6657,  
27.4184


 155.2105, 91.5134,  
64.1760


 33.0969, 70.2870,  
22.6029


 63.2827, 77.4085,  
36.7880


 24.5682, 68.0817,  
17.1977

 74.7030, 79.6891,  
41.1419

 16.9321, 66.4022,  
11.8524


 86.7381, 81.8842,  
45.3124

 10.3086, 66.2933,  
7.2160

 99.3580, 83.9888,  
49.3249

0.0000, INF, NaN

0.0000, INF, NaN

 112.5367, 86.0020,  
53.2007


0.0000, NaN, NaN


 126.2514, 87.9254,


0.0000, NaN, NaN


56.9580

0.0000, NaN, NaN


 140.4820, 89.7615,  
60.6121

 42.4317, 72.6657,  
27.4184


 42.4317, 72.6657,  
27.4184


 42.4331, 72.6601,  
27.4191

 43.2576, 70.4085,  
26.7256

 45.0354, 65.7802,  
25.3057

 47.9427, 58.8009,  
23.1786

 51.9439, 50.1917,  
20.5832

 56.9264, 40.7466,  
17.7774

■ 62.7502, 31.0765,  
14.9561

■ 69.2793, 21.5514,  
12.2337

■ 76.3959, 12.3502,  
9.6616

■ 84.0035, 3.5314,  
7.2528

# Harmonies

## Analogous

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



42.4331, 100.9418, 13.0077



42.4317, 72.6657, 27.4184



42.4331, 26.8407, 29.7032

# Triad

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



42.4331, 72.6601, 27.4191



42.4331, -52.5362, 20.2908



42.4331, 11.6943, -147.3441

# Complementary

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



42.4317, 72.6657, 27.4184



81.6381, -43.2667, -8.6400

# 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.



42.4331, -25.1704, -136.3164



42.4317, 72.6657, 27.4184



42.4331, -54.0356, -12.1933

# Square

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



42.4331, 72.6601, 27.4191



42.4331, -40.7796, 28.7690



42.4331, -46.0702, -74.9206



42.4331, 58.1631, -98.1240



# Rectangle

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



42.4317, 72.6657, 27.4184



42.4331, -2.2692, 29.7032



42.4331, -46.0702, -74.9206



42.4331, -2.2636, -151.1678

# Sweetspot

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



42.4331, 72.6601, 27.4191



75.1946, 23.5402, 13.3281



49.1108, 96.5536, -64.7743



33.3614, 12.9021, 6.7376

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



42.4331, 72.6601, 27.4191



46.1101, 78.9572, 29.7951



55.7487, 35.1961, 34.9683



38.8003, 1.4094, 3.2756



31.3541, 53.6867, 20.2601



8.7873, 15.0400, 5.6780



# Inverse Universe

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



81.6381, -43.2667, -8.6400



88.7125, -47.0160, -9.3888



43.8055, 12.2669, -81.2337



41.3778, -5.4706, 1.1533



60.3223, -31.9700, -6.3837



16.9042, -8.9594, -1.7880



# Previews

## White Background



This preview shows how the HunterLab color 42.4317, 72.6657, 27.4184 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

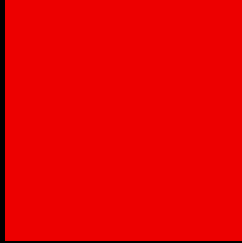
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 42.4317, 72.6657, 27.4184 looks on a black 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

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

## HunterLab 42.4317, 72.6657, 27.4184 Background



This preview shows how black text looks on a background with the HunterLab color 42.4317, 72.6657, 27.4184.



This preview shows how white text looks on a background with the HunterLab color 42.4317, 72.6657,



# 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

42.4317, 72.6657, 27.4184

### Protanopia

43.1280, -5.9607, 24.6888

### Tritanopia

42.7036, 69.6778, 27.5336

# Trichromacy



## Original Color

42.4317, 72.6657, 27.4184

## Protanomaly

37.2523, 28.2712, 22.3963

## Tritanomaly

42.5992, 71.0576, 27.4934

# Monochromacy



## Original Color

42.4317, 72.6657, 27.4184

## Achromatopsia

25.1018, -1.3394, 1.3638

## Achromatomaly

26.2517, 27.3051, 11.0472

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 42.4317, 72.6657, 27.4184 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(237, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 42.4317, 72.6657, 27.4184 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(237, 0, 0) }
```

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

```
.border{ border-color:rgb(237, 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(237, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(237, 0, 0); box-shadow:4px  
4px 4px 4px rgb(237, 0, 0) }
```



# Background

The CSS property to change the background color of an element to HunterLab 42.4317, 72.6657, 27.4184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 0) }
```

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

```
.background{ background-color: rgb(237, 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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