

# Converting Colors

HunterLab(42.2517, 72.4026,  
26.9520)

Have a look what the booklet for  
HunterLab(42.2517, 72.4026,  
26.9520) contains.

<b>HunterLab(42.2523, 72.4051, 26.9406)</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(42.2523, 72.4051,  
26.9406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC0009
RGB	236, 0, 9
RGB Percent	93%, 0%, 4%
CMY	0.0745, 0.9998, 0.9647
CMYK	0.00, 1.00, 0.96, 0.07
HSL	358°, 100%, 46%
HSV	358°, 100%, 93%
XYZ	34.6414, 17.8526, 1.8785
YIQ	71.5900, 137.7670, 52.8310

# Conversions

## Conversions Part 2

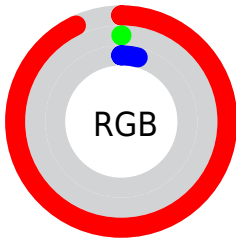
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">236, 0, 9</a>
Decimal	<a href="#">15466505</a>
CIELab	<a href="#">49.32, 75.61, 60.94</a>
CIElCh	<a href="#">49, 97.110, 38.866</a>
Yxy	<a href="#">17.8537, 0.6371, 0.3283</a>
Android (android.graphics.Color)	<a href="#">4293656585</a> (0xFFEC0009)
YUV	<a href="#">71.5900, -30.8569, 144.1876</a>
Hunter-Lab	<a href="#">42.2523, 72.4051, 26.9406</a>

# Details

The HunterLab color **42.2523, 72.4051, 26.9406** 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 **80.9568, -44.9484, -4.1556**, and the grayscale version is **25.3943, -1.3550, 1.3797**.

A 20% lighter version of the original color is **54.0944, 56.9157, 29.3340**, and **29.0431, 49.7372, 18.7670** is the 20% darker color. If you saturate the color by 10%, you get **42.2520, 72.4042, 26.9426**, and if you desaturate by 10%, it is **43.0984, 70.2333, 25.9354**.

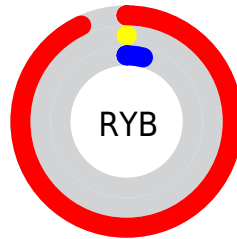
# Distribution



Red (93%)

Green (0%)

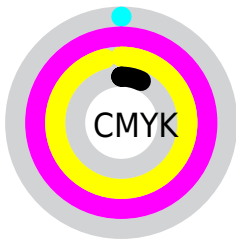
Blue (4%)



Red (93%)

Yellow (0%)

Blue (4%)

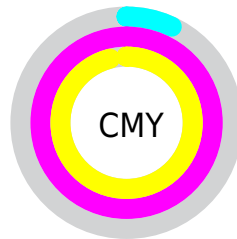


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (7%)



Cyan (7%)

Magenta (100%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 42.2523, 72.4051, 26.9406 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 42.2523, 72.4051, 26.9406 by changing the saturation by 10% instead.



42.2523, 72.4051,  
26.9406

42.2523, 72.4051,  
26.9406

154.9339, 91.2252,  
62.3544

32.9318, 70.0295,  
22.1896

63.0777, 77.1424,  
35.9706

24.4187, 67.8289,  
17.0931

74.4864, 79.4202,  
40.1619

16.8001, 66.1593,  
11.7600

86.5104, 81.6123,  
44.1766

10.1968, 66.0818,  
7.1377

99.1197, 83.7138,  
48.0399

0.0000, INF, NaN

0.0000, INF, NaN

112.2882, 85.7238,  
51.7730


0.0000, NaN, NaN


125.9933, 87.6439,


0.0000, NaN, NaN


55.3936


0.0000, NaN, NaN


 140.2145, 89.4767,  
58.9166


 42.2523, 72.4051,  
26.9406


 42.2523, 72.4051,  
26.9406


 42.2520, 72.4042,  
26.9426

 43.0984, 70.2333,  
25.9354

 44.8963, 65.7313,  
24.1394

 47.8108, 58.8738,  
21.7576

 51.8041, 50.3642,  
19.0557

 56.7642, 40.9831,  
16.2839

■ 62.5531, 31.3361,  
13.6131

■ 69.0372, 21.7940,  
11.1319

■ 76.1006, 12.5404,  
8.8698

■ 83.6488, 3.6397,  
6.8228

# Harmonies

## Analogous

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



42.2537, 98.8508, 11.7942



42.2523, 72.4051, 26.9406



42.2537, 27.9524, 29.5776

# Triad

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



42.2537, 72.3995, 26.9413



42.2537, -51.5737, 20.6518



42.2537, 9.7943, -143.6927

# Complementary

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



42.2523, 72.4051, 26.9406



80.9568, -44.9484, -4.1556

# 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.



42.2537, -25.8139, -130.6474



42.2523, 72.4051, 26.9406



42.2537, -53.4088, -10.0849

# Square

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



42.2537, 72.3995, 26.9413



42.2537, -39.4562, 28.6534



42.2537, -45.8910, -70.2592



42.2537, 55.0915, -97.7861



# Rectangle

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



42.2523, 72.4051, 26.9406



42.2537, -0.7786, 29.5776



42.2537, -45.8910, -70.2592



42.2537, -3.7150, -146.5527

# Sweetspot

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



42.2537, 72.3995, 26.9413



75.2680, 23.9516, 12.1938



46.8369, 93.1323, -69.9644



33.3987, 13.1087, 6.1596

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



42.2537, 72.3995, 26.9413



46.1315, 79.0476, 29.4532



53.0932, 40.7946, 33.4280



38.8115, 1.4748, 3.1048



31.3765, 53.7811, 19.9033



8.8109, 15.1394, 5.3021



# Inverse Universe

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



42.2537, 72.3995, 26.9413



46.1315, 79.0476, 29.4532



46.8781, 5.9242, -71.3777



38.8115, 1.4748, 3.1048



31.3765, 53.7811, 19.9033



8.8109, 15.1394, 5.3021



# Previews

## White Background



This preview shows how the HunterLab color 42.2523, 72.4051, 26.9406 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 42.2523, 72.4051, 26.9406 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 42.2523, 72.4051, 26.9406 Background



This preview shows how black text looks on a background with the HunterLab color 42.2523, 72.4051, 26.9406.



This preview shows how white text looks on a background with the HunterLab color 42.2523, 72.4051,



# 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

42.2523, 72.4051, 26.9406

### Protanopia

42.8623, -5.4501, 24.3258

### Deuteranopia

42.7718, 2.2838, 26.3958



## Tritanopia

42.5044, 69.3205, 27.4046

# Trichromacy



## Original Color

42.2523, 72.4051, 26.9406

## Protanomaly

37.2730, 28.3678, 22.0895

## Deuteranomaly

38.0330, 33.8313, 23.8937

## Tritanomaly

42.4062, 70.7339, 27.2483

# Monochromacy



## Original Color

42.2523, 72.4051, 26.9406

## Achromatopsia

25.4565, -1.3583, 1.3831

## Achromatomaly

26.6107, 27.5334, 10.4053

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 42.2523, 72.4051, 26.9406 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(236, 0, 9)` looks like.

```
.text, #text, p{  
    color:rgb(236, 0, 9)  
}
```

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(236, 0, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 0, 9) }
```

## Border

The CSS property to change the border of an element to HunterLab 42.2523, 72.4051, 26.9406 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(236, 0, 9) }
```



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

```
.border{ border-color:rgb(236, 0, 9) }
```

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

Here you see how a box with a 4 pixel rgb(236, 0, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 0, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(236, 0, 9); box-shadow:4px  
4px 4px 4px rgb(236, 0, 9) }
```

# Background

The CSS property to change the background color of an element to HunterLab 42.2523, 72.4051, 26.9406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 0, 9) }
```

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

```
.background{ background-color: rgb(236, 0,  
9) }
```

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**