

# Converting Colors

HunterLab(48.3058, 49.8969,  
30.6394)

Have a look what the booklet for  
HunterLab(48.3058, 49.8969,  
30.6394) contains.

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# Color

**HunterLab(48.3139, 49.8302,  
30.6432)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | E85300                     |
| RGB           | 232, 83, 0                 |
| RGB Percent   | 91%, 33%, 0%               |
| CMY           | 0.0902, 0.6745, 1.0000     |
| CMYK          | 0.00, 0.64, 1.00, 0.09     |
| HSL           | 21°, 100%, 45%             |
| HSV           | 21°, 100%, 91%             |
| XYZ           | 36.3720, 23.3423, 2.5885   |
| YIQ           | 118.0890, 115.4470, 5.7750 |

# Conversions

## Conversions Part 2

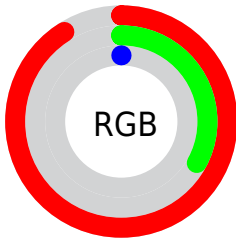
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 232, 129, 0                    |
| Decimal                             | 15225600                       |
| CIE Lab                             | 55.42, 55.14, 65.64            |
| CIE LCh                             | 55, 85.725, 49.966             |
| Yxy                                 | 23.3437, 0.5838,<br>0.3747     |
| Android<br>(android.graphics.Color) | 4293415680<br>(0xFFE85300)     |
| YUV                                 | 118.0890, -58.2179,<br>99.8999 |
| Hunter-Lab                          | 48.3139, 49.8302,<br>30.6432   |

# Details

The HunterLab color **48.3139, 49.8302, 30.6432** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **52.2673, -5.0250, -54.4819**, and the grayscale version is **42.7863, -2.2830, 2.3247**.

A 20% lighter version of the original color is **63.0929, 34.5930, 34.9250**, and **29.5225, 46.2029, 19.0005** is the 20% darker color. If you saturate the color by 10%, you get **48.3150, 49.8265, 30.6438**, and if you desaturate by 10%, it is **50.9281, 43.3428, 31.1842**.

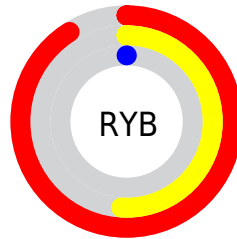
# Distribution



Red (91%)

Green (33%)

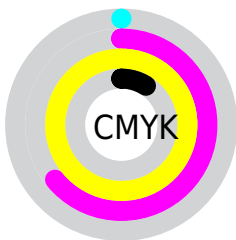
Blue (0%)



Red (91%)

Yellow (51%)

Blue (0%)

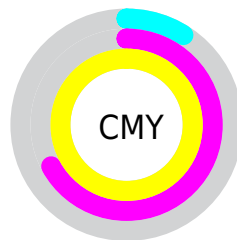


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (67%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 48.3139, 49.8302, 30.6432 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 48.3139, 49.8302, 30.6432 by changing the saturation by 10% instead.



48.3139, 49.8302,  
30.6432

48.3139, 49.8302,  
30.6432

164.1601, 62.8351,  
67.6209

38.5324, 47.8861,  
25.6084

69.9693, 53.3939,  
39.9999

29.5168, 45.8659,  
20.6618

81.7576, 55.0193,  
44.3656

21.3403, 43.8296,  
14.9382

94.1423, 56.5438,  
48.5580

14.1000, 41.9705,  
9.8700

107.0960, 57.9727,  
52.6004

7.7494, 42.6313,  
5.4246

120.5947, 59.3112,  
56.5123

0.0000, INF, NaN

0.0000, NaN, NaN


134.6172, 60.5646,


60.3107


0.0000, NaN, NaN


 149.1447, 61.7378,  
64.0095


0.0000, NaN, NaN


 48.3139, 49.8302,  
30.6432


 48.3139, 49.8302,  
30.6432


 48.3150, 49.8265,  
30.6438

 50.9281, 43.3428,  
31.1842

 53.9663, 36.7502,  
31.0114

 57.4064, 30.2972,  
29.9871

 61.2123, 24.1283,  
28.1547

 65.3468, 18.3259,  
25.5949

■ 69.7747, 12.9261,  
22.3993

■ 74.4637, 7.9336,  
18.6564

■ 79.3854, 3.3339,  
14.4454

■ 84.5149, -0.8984,  
9.8342

# Harmonies

## Analogous

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



48.3153, 80.0914, 20.0037



48.3139, 49.8302, 30.6432



48.3153, 9.9387, 32.8644

# Triad

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



48.3153, 49.8256, 30.6438



48.3153, -53.2095, 12.6586



48.3153, 23.0938, -107.3864

# Complementary

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



48.3139, 49.8302, 30.6432



52.2673, -5.0250, -54.4819

# 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.



48.3153, -13.9421, -115.5248



48.3139, 49.8302, 30.6432



48.3153, -51.5653, -25.3173

# Square

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



48.3153, 49.8256, 30.6438



48.3153, -44.6254, 28.5682



48.3153, -39.2085, -78.5480



48.3153, 61.8192, -60.8321



# Rectangle

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



48.3139, 49.8302, 30.6432



48.3153, -13.8686, 32.8660



48.3153, -39.2085, -78.5480



48.3153, 9.8495, -115.5635

# Sweetspot

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



48.3153, 49.8256, 30.6438



82.8101, 8.9153, 20.8379



44.0269, 80.4571, -10.7764



37.2737, 5.1904, 10.4876

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



48.3153, 49.8256, 30.6438



53.6496, 55.8394, 34.0362



75.6168, -6.5334, 46.4803



38.9970, -0.5154, 4.4012



36.2987, 36.3077, 23.0027



10.6981, 7.7342, 6.7275

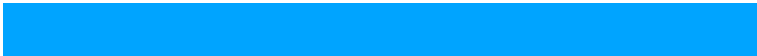


# Inverse Universe

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



52.2673, -5.0250, -54.4819



58.0397, -5.3591, -60.9758



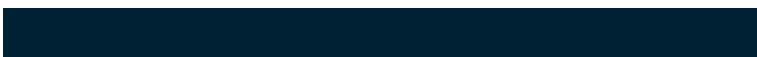
26.4890, 55.8067, -153.5792



39.2725, -3.4995, -0.2349



39.2589, -4.2519, -39.8916



11.4588, -2.3794, -9.1862



# Previews

## White Background



This preview shows how the HunterLab color 48.3139, 49.8302, 30.6432 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 48.3139, 49.8302, 30.6432 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 48.3139, 49.8302, 30.6432 Background



This preview shows how black text looks on a background with the HunterLab color 48.3139, 49.8302, 30.6432.



This preview shows how white text looks on a background with the HunterLab color 48.3139, 49.8302,



# 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

48.3139, 49.8302, 30.6432

### Protanopia

48.5800, -6.8702, 28.7598

### Deuteranopia

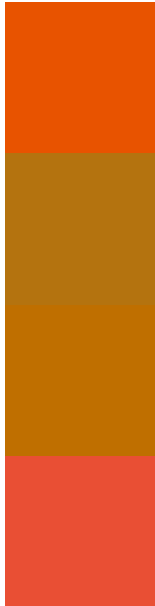
48.4805, 2.5593, 29.9183



## Tritanopia

48.3832, 55.9230, 21.0104

# Trichromacy



## Original Color

48.3139, 49.8302, 30.6432

## Protanomaly

46.9034, 13.2113, 28.5616

## Deuteranomaly

47.3764, 19.4607, 29.5338

## Tritanomaly

48.1285, 53.0760, 26.5835

# Monochromacy



## Original Color

48.3139, 49.8302, 30.6432

## Achromatopsia

42.5634, -2.2711, 2.3126

## Achromatomaly

42.4053, 12.5867, 17.0432

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 48.3139, 49.8302, 30.6432 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(232, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 83, 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(232, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 83, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 48.3139, 49.8302, 30.6432 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(232, 83, 0) }
```



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

```
.border{ border-color:rgb(232, 83, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 83, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 83, 0)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 48.3139, 49.8302, 30.6432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 83, 0) }
```

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

```
.background{ background-color: rgb(232, 83,  
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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