

# Converting Colors

HunterLab(20.4130, 34.9584,  
13.1871)

Have a look what the booklet for  
HunterLab(20.4130, 34.9584,  
13.1871) contains.

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# Color

**HunterLab(20.3410, 34.8346,  
13.1439)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A0000
RGB	122, 0, 0
RGB Percent	48%, 0%, 0%
CMY	0.5216, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.52
HSL	0°, 100%, 24%
HSV	0°, 100%, 48%
XYZ	8.0260, 4.1376, 0.3756
YIQ	36.4780, 72.7120, 25.8640

# Conversions

## Conversions Part 2

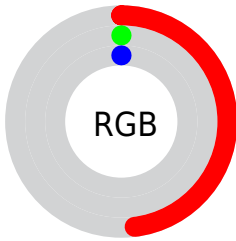
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 0, 0
Decimal	7995392
CIE Lab	24.12, 46.42, 36.22
CIE LCh	24, 58.877, 37.960
Yxy	4.1378, 0.6401, 0.3300
Android (android.graphics.Color)	4286185472 (0xFF7A0000)
YUV	36.4780, -17.9837, 75.0028
Hunter-Lab	20.3410, 34.8346, 13.1439

# Details

The HunterLab color **20.3410, 34.8346, 13.1439** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **39.1416, -20.7482, -4.1343**, and the grayscale version is **13.4762, -0.7191, 0.7322**.

A 20% lighter version of the original color is **37.3134, 38.3895, 19.5573**, and **10.4403, 17.8793, 6.7462** is the 20% darker color. If you saturate the color by 10%, you get **20.3417, 34.8319, 13.1442**, and if you desaturate by 10%, it is **21.0540, 32.9110, 12.5518**.

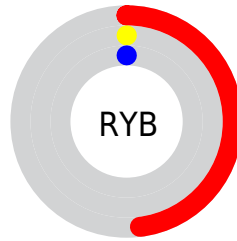
# Distribution



Red (48%)

Green (0%)

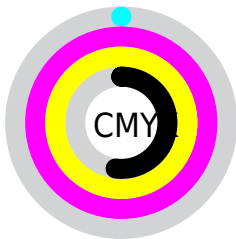
Blue (0%)



Red (48%)

Yellow (0%)

Blue (0%)

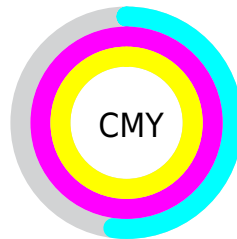


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (52%)



Cyan (52%)

Magenta (100%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 20.3410, 34.8346, 13.1439 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 20.3410, 34.8346, 13.1439 by changing the saturation by 10% instead.



■ 20.3410, 34.8346,  
13.1439

■ 20.3410, 34.8346,  
13.1439

■ 118.8062, 47.9594,  
37.9371

■ 13.2324, 33.0088,  
9.2627

■ 37.3132, 38.4847,  
19.4851

■ 6.7552, 35.6123,  
4.7286

■ 46.9996, 40.1616,  
22.4728

0.0000, INF, NaN

0.0000, NaN, NaN

■ 57.4038, 41.7221,  
25.2975

0.0000, NaN, NaN

■ 68.4793, 43.1696,  
27.9942

0.0000, NaN, NaN

■ 80.1876, 44.5102,  
30.5889

0.0000, NaN, NaN


0.0000, NaN, NaN


■ 92.4962, 45.7510,

33.1015


0.0000, NaN, NaN


 105.3772, 46.8987,  
35.5469

 20.3410, 34.8346,  
13.1439


 20.3410, 34.8346,  
13.1439


 20.3417, 34.8319,  
13.1442

 21.0540, 32.9110,  
12.5518

 22.0805, 30.3175,  
11.7573

 23.5957, 26.8156,  
10.6934

 25.5699, 22.7326,  
9.4677

 27.9511, 18.3787,  
8.1803

■ 30.6811, 13.9775,  
6.9022

■ 33.7054, 9.6606,  
5.6734

■ 36.9769, 5.4906,  
4.5116

■ 40.4572, 1.4870,  
3.4206

# Harmonies

## Analogous

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



20.3417, 46.9153, 5.2250



20.3410, 34.8346, 13.1439



20.3417, 13.9022, 14.2392

# Triad

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



20.3417, 34.8319, 13.1442



20.3417, -24.5330, 10.0989



20.3417, 4.0287, -67.9570

# Complementary

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



20.3410, 34.8346, 13.1439



39.1416, -20.7482, -4.1343

# 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.



20.3417, -12.6956, -60.9419



20.3410, 34.8346, 13.1439



20.3417, -25.5478, -4.1052

# Square

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



20.3417, 34.8319, 13.1442



20.3417, -18.5447, 14.2392



20.3417, -22.0852, -32.2007



20.3417, 25.4528, -47.0388



# Rectangle

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



20.3410, 34.8346, 13.1439



20.3417, 0.1834, 14.2392



20.3417, -22.0852, -32.2007



20.3417, -2.3259, -68.9865

# Sweetspot

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



20.3417, 34.8319, 13.1442



44.4048, 13.2220, 7.6402



23.5428, 46.2860, -31.0516



20.5725, 7.2373, 3.9124



78.7982, -4.2045, 4.2813



27.9800, -1.4929, 1.5202



# Same Dimension

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



20.3417, 34.8319, 13.1442



26.9808, 46.2017, 17.4343



27.3404, 15.4489, 17.1175



20.0377, 0.5519, 1.6323



20.8723, 35.7406, 13.4871



45.5853, 78.0627, 29.4561



# Inverse Universe

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



39.1416, -20.7482, -4.1343



51.9171, -27.5201, -5.4839



21.7775, 4.3602, -36.6323



21.2423, -2.6625, 0.6414



40.1626, -21.2894, -4.2422



87.7169, -46.4966, -9.2658



# Previews

## White Background



This preview shows how the HunterLab color 20.3410, 34.8346, 13.1439 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

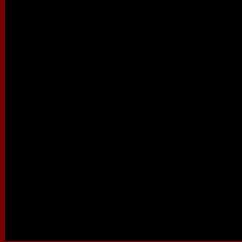
Any Text WCAG AA × Fail

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 20.3410, 34.8346, 13.1439 Background



This preview shows how black text looks on a background with the HunterLab color 20.3410, 34.8346, 13.1439.



This preview shows how white text looks on a background with the HunterLab color 20.3410, 34.8346,



# 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

20.3410, 34.8346, 13.1439

### Protanopia

21.7896, -3.1488, 12.0376

### Tritanopia

20.7468, 32.5646, 13.3542

# Trichromacy



## Original Color

20.3410, 34.8346, 13.1439

## Protanomaly

18.8352, 12.5731, 10.9224

## Tritanomaly

20.5351, 33.2652, 13.2360

# Monochromacy



## Original Color

20.3410, 34.8346, 13.1439

## Achromatopsia

13.2823, -0.7087, 0.7217

## Achromatomaly

13.6673, 12.3351, 5.1212

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 20.3410, 34.8346, 13.1439 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(122, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(122, 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(122, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 0, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 20.3410, 34.8346, 13.1439 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(122, 0, 0) }
```

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

```
.border{ border-color:rgb(122, 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(122, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(122, 0, 0); box-shadow:4px  
4px 4px 4px rgb(122, 0, 0) }
```



# Background

The CSS property to change the background color of an element to HunterLab 20.3410, 34.8346, 13.1439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 0, 0) }
```

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

```
.background{ background-color: rgb(122, 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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