

# Converting Colors

HunterLab(33.0730, 50.4549,  
19.9909)

Have a look what the booklet for  
HunterLab(33.0730, 50.4549,  
19.9909) contains.

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# Color

**HunterLab(33.0937, 50.3879,  
20.0032)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B71C15
RGB	183, 28, 21
RGB Percent	72%, 11%, 8%
CMY	0.2824, 0.8901, 0.9176
CMYK	0.00, 0.85, 0.89, 0.28
HSL	3°, 79%, 40%
HSV	3°, 89%, 72%
XYZ	20.0790, 10.9519, 1.7651
YIQ	73.5470, 94.6270, 30.6830

# Conversions

## Conversions Part 2

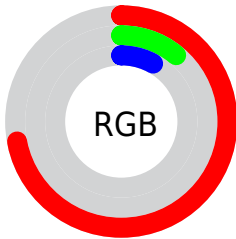
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 28, 21
Decimal	12000277
CIELab	39.50, 58.56, 45.07
CIElCh	40, 73.897, 37.584
Yxy	10.9526, 0.6122, 0.3339
Android (android.graphics.Color)	4290190357 (0xFFB71C15)
YUV	73.5470, -25.9057, 95.9903
Hunter-Lab	33.0937, 50.3879, 20.0032

# Details

The HunterLab color **33.0937, 50.3879, 20.0032** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **58.8412, -29.0170, -9.3914**, and the grayscale version is **26.0754, -1.3913, 1.4167**.

A 20% lighter version of the original color is **52.5943, 54.2780, 27.3723**, and **19.9827, 34.2209, 12.9123** is the 20% darker color. If you saturate the color by 10%, you get **32.0957, 53.1558, 20.5645**, and if you desaturate by 10%, it is **34.8320, 45.9329, 18.9555**.

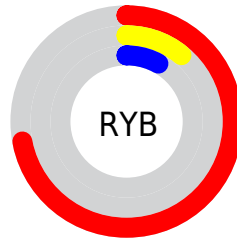
# Distribution



Red (72%)

Green (11%)

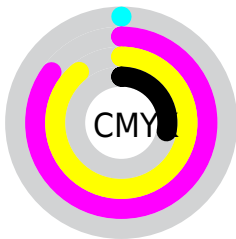
Blue (8%)



Red (72%)

Yellow (11%)

Blue (8%)

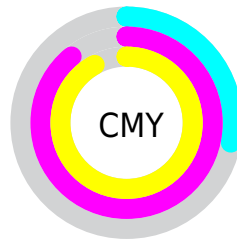


Cyan (0%)

Magenta (85%)

Yellow (89%)

Black (28%)



Cyan (28%)

Magenta (89%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 33.0937, 50.3879, 20.0032 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 33.0937, 50.3879, 20.0032 by changing the saturation by 10% instead.



■ 33.0937, 50.3879,  
20.0032

■ 33.0937, 50.3879,  
20.0032

140.4785, 65.6887,  
48.2711

■ 24.5662, 48.2805,  
16.2191

■ 52.5095, 54.4619,  
27.2849

■ 16.9303, 46.3046,  
11.8512

■ 63.2800, 56.3624,  
30.6261

■ 10.3071, 44.9353,  
7.2150

■ 74.7002, 58.1592,  
33.8163

0.0000, INF, NaN

0.0000, INF, NaN

■ 86.7351, 59.8534,  
36.8824

0.0000, NaN, NaN

■ 99.3549, 61.4487,  
39.8457


0.0000, NaN, NaN


■ 112.5334, 62.9497,


0.0000, NaN, NaN


42.7230


0.0000, NaN, NaN


 126.2480, 64.3615,  
45.5278


 33.0937, 50.3879,  
20.0032


 33.0937, 50.3879,  
20.0032


 32.0957, 53.1558,  
20.5645


 34.8320, 45.9329,  
18.9555

 31.9988, 53.4172,  
20.6527

 37.3190, 40.2118,  
17.4243

 40.5020, 33.7375,  
15.5650

 44.2978, 26.9637,  
13.5311

 48.6172, 20.2010,  
11.4382

■ 53.3782, 13.6230,  
9.3575

■ 58.5106, 7.3058,  
7.3266

■ 63.9573, 1.2664,  
5.3608

■ 69.6723, -4.5085,  
3.4627

# Harmonies

## Analogous

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



33.0947, 67.2150, 7.6906



33.0937, 50.3879, 20.0032



33.0947, 20.5034, 23.1663

# Triad

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



33.0947, 50.3840, 20.0038



33.0947, -37.4404, 15.6637



33.0947, 5.3830, -94.4054

# Complementary

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



33.0937, 50.3879, 20.0032



58.8412, -29.0170, -9.3914

# 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.



33.0947, -19.3640, -84.3951



33.0937, 50.3879, 20.0032



33.0947, -39.1642, -5.4192

# Square

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



33.0947, 50.3840, 20.0038



33.0947, -27.8997, 21.9710



33.0947, -33.7315, -44.8399



33.0947, 36.3227, -66.3253



# Rectangle

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



33.0937, 50.3879, 20.0032



33.0947, 0.4549, 23.1663



33.0947, -33.7315, -44.8399



33.0947, -3.9330, -95.6218

# Sweetspot

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



33.0947, 50.3840, 20.0038



72.1530, 17.3026, 12.2263



37.1508, 68.5201, -42.7918



32.8554, 9.5141, 6.1867



96.5975, -5.1542, 5.2483



43.2801, -2.3093, 2.3515



# Same Dimension

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



33.0947, 50.3840, 20.0038



42.7239, 71.8249, 27.5837



45.5196, 18.2308, 27.4440



30.1213, 0.8295, 2.6177



26.7756, 44.4505, 17.2772



5.2340, 7.6687, 3.3594



# Inverse Universe

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



58.8412, -29.0170, -9.3914



78.1000, -38.9813, -13.4689



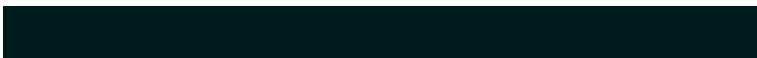
34.7189, 6.5636, -54.9961



31.8467, -3.9841, 0.7889



48.8070, -24.4063, -8.3184



9.2759, -4.7181, -1.4091



# Previews

## White Background



This preview shows how the HunterLab color 33.0937, 50.3879, 20.0032 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 33.0937, 50.3879, 20.0032 looks on a black 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

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

## HunterLab 33.0937, 50.3879, 20.0032 Background



This preview shows how black text looks on a background with the HunterLab color 33.0937, 50.3879, 20.0032.



This preview shows how white text looks on a background with the HunterLab color 33.0937, 50.3879,



# 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

33.0937, 50.3879, 20.0032

### Protanopia

33.7283, -4.2254, 17.7752

### Deuteranopia

33.5176, 1.3310, 20.6767



## Tritanopia

33.1179, 50.4825, 19.6444

# Trichromacy



## Original Color

33.0937, 50.3879, 20.0032

## Protanomaly

31.1026, 16.3450, 16.9803

## Deuteranomaly

31.2772, 20.6338, 19.1986

## Tritanomaly

33.1115, 50.4575, 19.7391

# Monochromacy



## Original Color

33.0937, 50.3879, 20.0032

## Achromatopsia

26.1683, -1.3963, 1.4218

## Achromatomaly

26.0375, 16.7657, 8.1073

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 33.0937, 50.3879, 20.0032 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(183, 28, 21)` looks like.

```
.text, #text, p{  
    color:rgb(183, 28, 21)  
}
```

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(183, 28, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 28, 21) }
```

## Border

The CSS property to change the border of an element to HunterLab 33.0937, 50.3879, 20.0032 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(183, 28, 21) }
```



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

```
.border{ border-color:rgb(183, 28, 21) }
```

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

Here you see how a box with a 4 pixel rgb(183, 28, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 28, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 28, 21);  
box-shadow:4px 4px 4px 4px rgb(183, 28,  
21) }
```

# Background

The CSS property to change the background color of an element to HunterLab 33.0937, 50.3879, 20.0032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 28, 21) }
```

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

```
.background{ background-color: rgb(183, 28,  
21) }
```

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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