

# Converting Colors

HunterLab(17.8827, 30.9743,  
8.8360)

Have a look what the booklet for  
HunterLab(17.8827, 30.9743,  
8.8360) contains.

<b>HunterLab(17.8540, 30.9220, 8.8510)</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(17.8540, 30.9220,  
8.8510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6B0017
RGB	107, 0, 23
RGB Percent	42%, 0%, 9%
CMY	0.5804, 1.0000, 0.9098
CMYK	0.00, 1.00, 0.79, 0.58
HSL	347°, 100%, 21%
HSV	347°, 100%, 42%
XYZ	6.2180, 3.1877, 1.0982
YIQ	34.6150, 56.3890, 29.8370

# Conversions

## Conversions Part 2

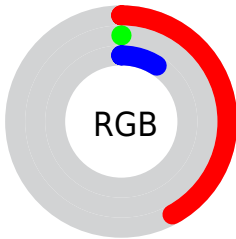
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	107, 0, 23
Decimal	7012375
CIE Lab	20.78, 42.93, 20.20
CIE LCh	21, 47.447, 25.202
Yxy	3.1879, 0.5920, 0.3035
Android (android.graphics.Color)	4285202455 (0xFF6B0017)
YUV	34.6150, -5.7262, 63.4816
Hunter-Lab	17.8540, 30.9220, 8.8510

# Details

The HunterLab color **17.8540, 30.9220, 8.8510** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33.4000, -21.7967, 5.3067**, and the grayscale version is **12.8489, -0.6856, 0.6981**.

A 20% lighter version of the original color is **34.2323, 34.6820, 13.0392**, and **8.8806, 15.2577, 5.3559** is the 20% darker color. If you saturate the color by 10%, you get **17.8539, 30.9216, 8.8523**, and if you desaturate by 10%, it is **18.5999, 29.1803, 7.7510**.

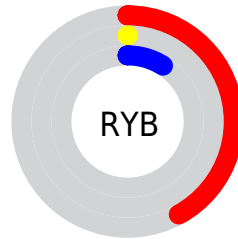
# Distribution



Red (42%)

Green (0%)

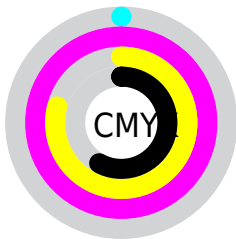
Blue (9%)



Red (42%)

Yellow (0%)

Blue (9%)

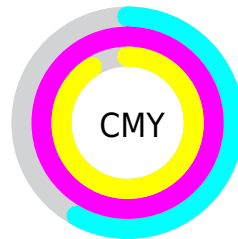


Cyan (0%)

Magenta (100%)

Yellow (79%)

Black (58%)



Cyan (58%)

Magenta (100%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 17.8540, 30.9220, 8.8510 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 17.8540, 30.9220, 8.8510 by changing the saturation by 10% instead.



■ 17.8540, 30.9220,  
8.8510

■ 17.8540, 30.9220,  
8.8510

■ 114.2601, 43.2677,  
24.8404

■ 11.0931, 29.1831,  
7.7652

■ 34.2467, 34.4229,  
12.9215

■ 2.9405, 65.5361,  
2.0584

■ 43.6810, 36.0167,  
14.7696

0.0000, INF, NaN

■ 53.8510, 37.4898,  
16.5426

0.0000, NaN, NaN

■ 64.7069, 38.8472,  
18.2618

0.0000, NaN, NaN

■ 76.2076, 40.0961,  
19.9420

0.0000, NaN, NaN


■ 88.3190, 41.2444,


0.0000, NaN, NaN


21.5936


0.0000, NaN, NaN


 101.0117, 42.2994,  
23.2244


 17.8540, 30.9220,  
8.8510


 17.8540, 30.9220,  
8.8510


 17.8539, 30.9216,  
8.8523

 18.5999, 29.1803,  
7.7510

 19.5682, 27.0436,  
6.5023

 20.9280, 24.1086,  
5.3336

 22.6522, 20.6330,  
4.3230

 24.6990, 16.8625,  
3.5083

■ 27.0235, 12.9805,  
2.8946

■ 29.5837, 9.1023,  
2.4680

■ 32.3433, 5.2900,  
2.2063

■ 35.2725, 1.5706,  
2.0854

# Harmonies

## Analogous

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



17.8546, 35.0342, -1.3303



17.8540, 30.9220, 8.8510



17.8546, 17.3691, 12.4982

# Triad

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



17.8546, 30.9198, 8.8514



17.8546, -18.2481, 10.4663



17.8546, -3.1720, -48.8081

# Complementary

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



17.8540, 30.9220, 8.8510



33.4000, -21.7967, 5.3067

# 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.



17.8546, -13.9746, -35.9994



17.8540, 30.9220, 8.8510



17.8546, -20.7763, 3.0032

# Square

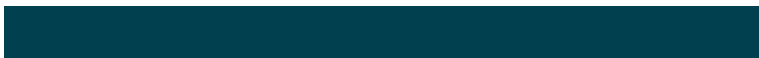
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



17.8546, 30.9198, 8.8514



17.8546, -11.1213, 12.4982



17.8546, -19.4997, -13.9271



17.8546, 12.1657, -41.8608



# Rectangle

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



17.8540, 30.9220, 8.8510



17.8546, 6.5373, 12.4982



17.8546, -19.4997, -13.9271



17.8546, -7.3826, -46.4993

# Sweetspot

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



17.8546, 30.9198, 8.8514



39.2829, 12.6224, 3.3424



17.1412, 35.5441, -36.9283



18.7778, 7.0212, 1.7244



75.5302, -4.0301, 4.1037



25.2436, -1.3469, 1.3715



# Same Dimension

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



17.8546, 30.9198, 8.8514



23.8571, 41.2519, 12.3474



20.1763, 22.5150, 12.8258



17.6818, 0.5934, 1.0336



19.6820, 34.0671, 9.9187



44.3057, 76.4467, 24.1959



# Inverse Universe

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



17.8546, 30.9198, 8.8514



23.8571, 41.2519, 12.3474



25.1505, -6.4980, -17.4071



17.6818, 0.5934, 1.0336



19.6820, 34.0671, 9.9187

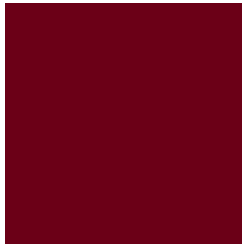


44.3057, 76.4467, 24.1959



# Previews

## White Background



This preview shows how the HunterLab color 17.8540, 30.9220, 8.8510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

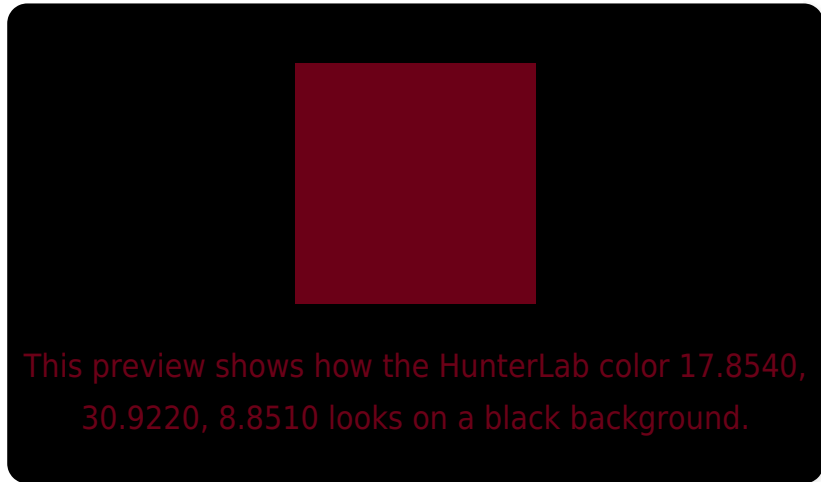
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

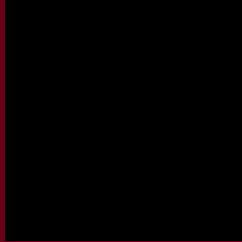
Any Text WCAG AA × Fail

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 17.8540, 30.9220, 8.8510 Background



This preview shows how black text looks on a background with the HunterLab color 17.8540, 30.9220, 8.8510.



This preview shows how white text looks on a background with the HunterLab color 17.8540, 30.9220,



# 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

17.8540, 30.9220, 8.8510

### Protanopia

19.2080, -1.7747, 6.8966

### Deuteranopia

19.0631, 0.9223, 10.2381



## Tritanopia

18.3015, 28.3294, 11.4942

# Trichromacy



## Original Color

17.8540, 30.9220, 8.8510

## Protanomaly

16.6718, 11.5082, 5.8644

## Deuteranomaly

16.9525, 13.6482, 8.5303

## Tritanomaly

18.1051, 29.2778, 10.7285

# Monochromacy



## Original Color

17.8540, 30.9220, 8.8510

## Achromatopsia

12.9643, -0.6917, 0.7044

## Achromatomaly

12.9029, 11.4338, 2.1941

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 17.8540, 30.9220, 8.8510 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(107, 0, 23)` looks like.

```
.text, #text, p{  
    color:rgb(107, 0, 23)  
}
```

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(107, 0, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 0, 23) }
```

## Border

The CSS property to change the border of an element to HunterLab 17.8540, 30.9220, 8.8510 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(107, 0, 23) }
```



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

```
.border{ border-color:rgb(107, 0, 23) }
```

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

Here you see how a box with a 4 pixel rgb(107, 0, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 0, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 0, 23);  
box-shadow:4px 4px 4px 4px rgb(107, 0, 23)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 17.8540, 30.9220, 8.8510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 0, 23) }
```

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

```
.background{ background-color: rgb(107, 0,  
23) }
```

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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