

# Converting Colors

HunterLab(27.6822, 21.8755,  
13.6547)

Have a look what the booklet for  
HunterLab(27.6822, 21.8755,  
13.6547) contains.

<b>HunterLab(27.7628, 21.8435, 13.7519)</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(27.7628, 21.8435,  
13.7519)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	823825
RGB	130, 56, 37
RGB Percent	51%, 22%, 15%
CMY	0.4902, 0.7804, 0.8549
CMYK	0.00, 0.57, 0.72, 0.49
HSL	12°, 56%, 33%
HSV	12°, 72%, 51%
XYZ	10.9540, 7.7077, 2.6606
YIQ	75.9600, 50.2030, 9.7790

# Conversions

## Conversions Part 2

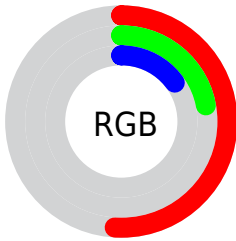
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 61, 37
Decimal	8534053
CIE <sub>Lab</sub>	33.37, 30.53, 27.08
CIE <sub>LCh</sub>	33, 40.810, 41.569
Yxy	7.7082, 0.5137, 0.3615
Android (android.graphics.Color)	4286724133 (0xFF823825)
YUV	75.9600, -19.2073, 47.3931
Hunter-Lab	27.7628, 21.8435, 13.7519

# Details

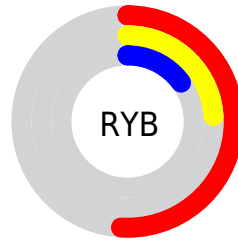
The HunterLab color **27.7628, 21.8435, 13.7519** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **36.5690, -12.8597, -11.9320**, and the grayscale version is **26.9238, -1.4366, 1.4628**.

A 20% lighter version of the original color is **46.1438, 24.1054, 18.3405**, and **12.7519, 19.2129, 8.1940** is the 20% darker color. If you saturate the color by 10%, you get **25.9603, 25.6286, 14.4716**, and if you desaturate by 10%, it is **29.8552, 18.0063, 12.7190**.

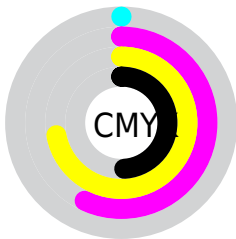
# Distribution



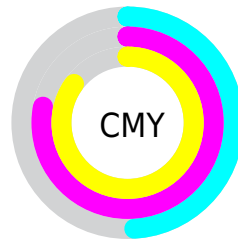
- Red (51%)
- Green (22%)
- Blue (15%)



- Red (51%)
- Yellow (24%)
- Blue (15%)



- Cyan (0%)
- Magenta (57%)
- Yellow (72%)
- Black (49%)



- Cyan (49%)
- Magenta (78%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 27.7628, 21.8435, 13.7519 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 27.7628, 21.8435, 13.7519 by changing the saturation by 10% instead.



27.7628, 21.8435,  
13.7519

27.7628, 21.8435,  
13.7519

131.6908, 28.7945,  
32.7924

19.7706, 20.5035,  
11.0697

46.2432, 24.1025,  
18.5497

12.7384, 19.0333,  
8.9169

56.5949, 25.0486,  
20.7612

6.1058, 22.2597,  
4.2741

67.6212, 25.8879,  
22.8883

0.0000, INF, NaN

0.0000, NaN, NaN

79.2830, 26.6308,  
24.9507

0.0000, NaN, NaN

91.5473, 27.2860,  
26.9627

0.0000, NaN, NaN

0.0000, NaN, NaN

104.3860, 27.8609,

28.9350

0.0000, NaN, NaN

117.7744, 28.3620,  
30.8761

27.7628, 21.8435,  
13.7519

27.7628, 21.8435,  
13.7519

25.9603, 25.6286,  
14.4716

29.8552, 18.0063,  
12.7190

24.4761, 29.1957,  
14.8262

32.2015, 14.2426,  
11.4331

23.4731, 31.8327,  
15.0213

34.7702, 10.6206,  
9.9518

37.5321, 7.1740,  
8.3223

40.4619, 3.9121,  
6.5811

■ 43.5383, 0.8295,  
4.7548

■ 46.7434, -2.0863,  
2.8629

■ 50.0624, -4.8515,  
0.9191

■ 53.4828, -7.4828,  
-1.0666

# Harmonies

## Analogous

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



27.7636, 30.3685, 6.2003



27.7628, 21.8435, 13.7519



27.7636, 7.6155, 16.5310

# Triad

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



27.7636, 21.8414, 13.7523



27.7636, -22.7995, 8.4889



27.7636, 4.1639, -37.4666

# Complementary

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



27.7628, 21.8435, 13.7519



36.5690, -12.8597, -11.9320

# 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.



27.7636, -9.5421, -35.7589



27.7628, 21.8435, 13.7519



27.7636, -23.3573, -4.1721

# Square

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



27.7636, 21.8414, 13.7523



27.7636, -17.2738, 14.7076



27.7636, -18.9886, -21.6138



27.7636, 18.8846, -25.5227



# Rectangle

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



27.7628, 21.8435, 13.7519



27.7636, -2.2211, 16.9039



27.7636, -18.9886, -21.6138



27.7636, -0.7369, -38.5843

# Sweetspot

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



27.7636, 21.8414, 13.7523



53.7203, 5.1654, 8.7188



26.8803, 37.6848, -16.2034



25.1303, 2.9136, 4.4023



80.9895, -4.3214, 4.4003



29.8298, -1.5916, 1.6207



# Same Dimension

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



27.7636, 21.8414, 13.7523



33.1373, 37.0963, 19.5647



37.9496, 0.8543, 20.6648



21.1558, 0.0469, 2.0506



23.0037, 31.1138, 14.7195

0.0000, NaN, NaN



# Inverse Universe

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



36.5690, -12.8597, -11.9320



46.2735, -16.7328, -19.4339



24.0295, 7.5460, -37.1696



21.7769, -2.2557, 0.2747



33.0750, -11.6815, -16.1238

0.0000, NaN, NaN



# Previews

## White Background



This preview shows how the HunterLab color 27.7628, 21.8435, 13.7519 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



This preview shows how the HunterLab color 27.7628, 21.8435, 13.7519 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

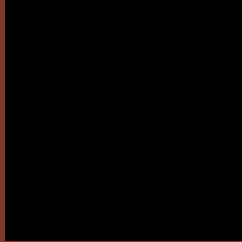
Any Text WCAG AA × Fail

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 27.7628, 21.8435, 13.7519 Background



This preview shows how black text looks on a background with the HunterLab color 27.7628, 21.8435, 13.7519.



This preview shows how white text looks on a background with the HunterLab color 27.7628, 21.8435,



# 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

27.7628, 21.8435, 13.7519

### Protanopia

27.9422, -2.9031, 11.8992

### Deuteranopia

27.9188, 1.8823, 14.1808



## Tritanopia

27.8550, 24.4207, 9.3524

# Trichromacy



## Original Color

27.7628, 21.8435, 13.7519

## Protanomaly

27.4904, 5.5559, 12.3124

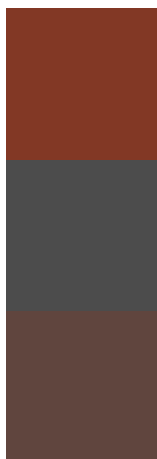
## Deuteranomaly

27.5041, 8.8903, 13.8412

## Tritanomaly

27.9069, 23.4534, 11.1956

# Monochromacy



## Original Color

27.7628, 21.8435, 13.7519

## Achromatopsia

26.8834, -1.4344, 1.4606

## Achromatomaly

26.6286, 5.8298, 6.3632

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 27.7628, 21.8435, 13.7519 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(130, 56, 37)` looks like.

```
.text, #text, p{  
    color:rgb(130, 56, 37)  
}
```

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(130, 56, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 56, 37) }
```

## Border

The CSS property to change the border of an element to HunterLab 27.7628, 21.8435, 13.7519 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(130, 56, 37) }
```



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

```
.border{ border-color:rgb(130, 56, 37) }
```

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

Here you see how a box with a 4 pixel rgb(130, 56, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 56, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 56, 37);  
box-shadow:4px 4px 4px 4px rgb(130, 56,  
37) }
```

# Background

The CSS property to change the background color of an element to HunterLab 27.7628, 21.8435, 13.7519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 56, 37) }
```

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

```
.background{ background-color: rgb(130, 56,  
37) }
```

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