

# Converting Colors

HunterLab(36.4555, 16.4914,  
22.7519)

Have a look what the booklet for  
HunterLab(36.4555, 16.4914,  
22.7519) contains.

<b>HunterLab(36.4271, 16.5443, 22.7358)</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(36.4271, 16.5443,  
22.7358)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	995500
RGB	153, 85, 0
RGB Percent	60%, 33%, 0%
CMY	0.4000, 0.6666, 1.0000
CMYK	0.00, 0.44, 1.00, 0.40
HSL	33°, 100%, 30%
HSV	33°, 100%, 60%
XYZ	16.3854, 13.2693, 1.6977
YIQ	95.6420, 67.8130, -12.0190

# Conversions

## Conversions Part 2

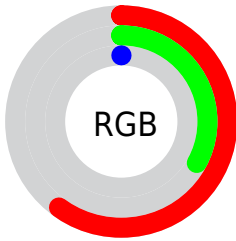
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	122, 153, 0
Decimal	10048768
CIE Lab	43.17, 23.25, 52.05
CIE LCh	43, 57.002, 65.932
Yxy	13.2700, 0.5226, 0.4232
Android (android.graphics.Color)	4288238848 (0xFF995500)
YUV	95.6420, -47.1515, 50.3030
Hunter-Lab	36.4271, 16.5443, 22.7358

# Details

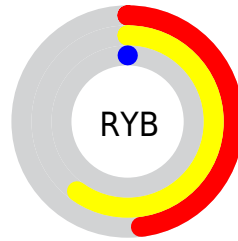
The HunterLab color **36.4271, 16.5443, 22.7358** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **25.3655, 10.6185, -54.6264**, and the grayscale version is **34.2209, -1.8259, 1.8593**.

A 20% lighter version of the original color is **56.3734, 18.0859, 30.8435**, and **19.7077, 14.8274, 12.4034** is the 20% darker color. If you saturate the color by 10%, you get **36.4276, 16.5428, 22.7361**, and if you desaturate by 10%, it is **37.9843, 13.5821, 22.9202**.

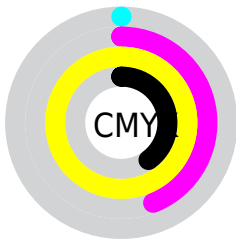
# Distribution



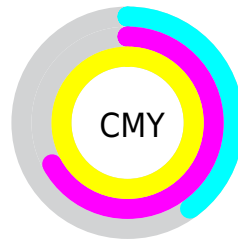
- Red (60%)
- Green (33%)
- Blue (0%)



- Red (48%)
- Yellow (60%)
- Blue (0%)



- Cyan (0%)
- Magenta (44%)
- Yellow (100%)
- Black (40%)



- Cyan (40%)
- Magenta (67%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 36.4271, 16.5443, 22.7358 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 36.4271, 16.5443, 22.7358 by changing the saturation by 10% instead.



36.4271, 16.5443,  
22.7358

36.4271, 16.5443,  
22.7358

145.8222, 20.0276,  
54.3036

27.5949, 15.6838,  
18.5444

56.3809, 17.8997,  
30.8466

19.6200, 14.6827,  
13.7340

67.3941, 18.4276,  
34.5844

12.6084, 13.5218,  
8.8258

79.0435, 18.8691,  
38.1560

5.9215, 16.8317,  
4.1451

91.2961, 19.2327,  
41.5881

0.0000, NaN, NaN

0.0000, NaN, NaN

104.1235, 19.5250,  
44.9028

0.0000, NaN, NaN


117.5012, 19.7518,

0.0000, NaN, NaN


48.1177


0.0000, NaN, NaN


 131.4072, 19.9180,  
51.2473

 36.4271, 16.5443,  
22.7358


 36.4271, 16.5443,  
22.7358


 36.4276, 16.5428,  
22.7361

 37.9843, 13.5821,  
22.9202

 39.6459, 10.7767,  
22.7203

 41.4179, 8.2007,  
21.9790

 43.2952, 5.8714,  
20.6955

 45.2720, 3.7948,  
18.8873

■ 47.3423, 1.9691,  
16.5821

■ 49.5000, 0.3871,  
13.8128

■ 51.7392, -0.9618,  
10.6142

■ 54.0544, -2.0902,  
7.0207

# Harmonies

## Analogous

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



36.4281, 38.0484, 18.3600



36.4271, 16.5443, 22.7358



36.4281, -6.1304, 23.4382

# Triad

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



36.4281, 16.5419, 22.7362



36.4281, -34.6801, -2.3311



36.4281, 25.7019, -46.5571

# Complementary

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



36.4271, 16.5443, 22.7358



25.3655, 10.6185, -54.6264

# 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.



36.4281, 2.4369, -63.0567



36.4271, 16.5443, 22.7358



36.4281, -29.7943, -29.5652

# Square

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



36.4281, 16.5419, 22.7362



36.4281, -32.5870, 14.6744



36.4281, -17.3523, -55.4983



36.4281, 44.1394, -18.0357



# Rectangle

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



36.4271, 16.5443, 22.7358



36.4281, -18.3543, 22.6041



36.4281, -17.3523, -55.4983



36.4281, 18.0056, -54.2683

# Sweetspot

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



36.4281, 16.5419, 22.7362



66.0678, 0.6353, 18.7224



26.8332, 47.5461, 4.9794



30.5180, 0.6672, 9.4950



87.6224, -4.6753, 4.7607



35.4919, -1.8938, 1.9283



# Same Dimension

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



36.4281, 16.5419, 22.7362



48.3625, 22.9808, 30.2031



53.6972, -17.0815, 32.7888



26.0060, -1.0398, 3.2261



33.2183, 14.8197, 20.7284



4.8729, 0.2348, 3.0068



# Inverse Universe

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



25.3655, 10.6185, -54.6264



33.4119, 15.3588, -74.9172



15.3277, 41.2517, -106.4066



25.4079, -1.6152, -0.5410



23.1995, 9.3571, -49.1965

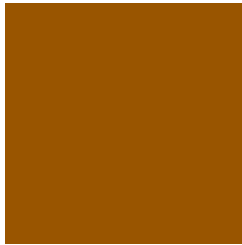


3.8913, -0.7297, -3.2885



# Previews

## White Background



This preview shows how the HunterLab color 36.4271, 16.5443, 22.7358 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 36.4271, 16.5443, 22.7358 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

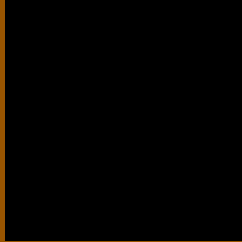
Any Text WCAG AA × Fail

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 36.4271, 16.5443, 22.7358 Background



This preview shows how black text looks on a background with the HunterLab color 36.4271, 16.5443, 22.7358.



This preview shows how white text looks on a background with the HunterLab color 36.4271, 16.5443,



# 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

36.4271, 16.5443, 22.7358

### Protanopia

36.6607, -5.1487, 21.9375

### Deuteranopia

36.4626, 2.1838, 22.5063



## Tritanopia

36.4908, 24.9049, 8.9574

# Trichromacy



## Original Color

36.4271, 16.5443, 22.7358

## Protanomaly

36.1253, 2.3987, 21.9252

## Deuteranomaly

36.3758, 6.9831, 22.5368

## Tritanomaly

36.2212, 21.0100, 16.9744

# Monochromacy



## Original Color

36.4271, 16.5443, 22.7358

## Achromatopsia

34.2010, -1.8249, 1.8582

## Achromatomaly

34.3120, 2.4102, 13.5563

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 36.4271, 16.5443, 22.7358 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(153, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 85, 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(153, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 85, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 36.4271, 16.5443, 22.7358 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(153, 85, 0) }
```



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

```
.border{ border-color:rgb(153, 85, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 85, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 85, 0)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 36.4271, 16.5443, 22.7358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 85, 0) }
```

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

```
.background{ background-color: rgb(153, 85,  
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](#).

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