

# Converting Colors

HunterLab(21.7394, 23.7511,  
-45.8602)

Have a look what the booklet for  
HunterLab(21.7394, 23.7511,  
-45.8602) contains.

<b>HunterLab(21.7543, 23.6316, -45.6770)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(21.7543, 23.6316,  
-45.6770)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	452C84
RGB	69, 44, 132
RGB Percent	27%, 17%, 52%
CMY	0.7294, 0.8274, 0.4824
CMYK	0.48, 0.67, 0.00, 0.48
HSL	257°, 50%, 35%
HSV	257°, 67%, 52%
XYZ	7.5198, 4.7325, 22.3469
YIQ	61.5070, -13.3480, 32.6680

# Conversions

## Conversions Part 2

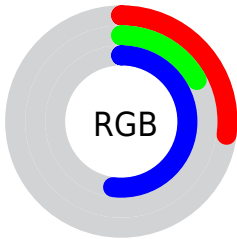
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	69, 44, 132
Decimal	4533380
CIE <sub>Lab</sub>	25.96, 33.79, -45.63
CIE <sub>LCh</sub>	26, 56.780, 306.522
Yxy	4.7326, 0.2173, 0.1368
Android (android.graphics.Color)	4282723460 (0xFF452C84)
<b>YUV</b>	61.5070, 34.7530, 6.5714
Hunter-Lab	21.7543, 23.6316, -45.6770

# Details

The HunterLab color  $[21.7543, 23.6316, -45.6770]$  is a dark color, and the websafe version is hex  $333399$ . A complement of this color would be  $[44.5085, -18.6591, 23.9250]$ , and the grayscale version is  $[21.6647, -1.1560, 1.1771]$ .

A 20% lighter version of the original color is  $[38.9422, 26.4136, -46.2691]$ , and  $[8.0356, 21.1541, -52.1162]$  is the 20% darker color. If you saturate the color by 10%, you get  $[18.9270, 28.0492, -56.2296]$ , and if you desaturate by 10%, it is  $[25.0018, 19.1954, -36.0258]$ .

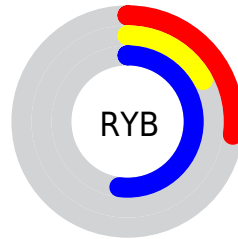
# Distribution



Red (27%)

Green (17%)

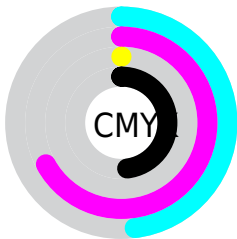
Blue (52%)



Red (27%)

Yellow (17%)

Blue (52%)

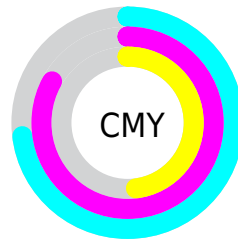


Cyan (48%)

Magenta (67%)

Yellow (0%)

Black (48%)



Cyan (73%)

Magenta (83%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 21.7543, 23.6316, -45.6770 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 21.7543, 23.6316, -45.6770 by changing the saturation by 10% instead.



21.7543, 23.6316,  
-45.6770

21.7543, 23.6316,  
-45.6770

121.3310, 32.4303,  
-50.6065

14.4612, 22.0738,  
-46.9128

39.0365, 26.3695,  
-45.9255

8.1222, 21.1954,  
-52.1354

48.8586, 27.5415,  
-46.5103

0.0000, INF, -NF

59.3893, 28.5954,  
-47.1921

0.0000, NaN, -NF

70.5838, 29.5420,  
-47.9078

0.0000, NaN, -NF

82.4047, 30.3909,  
-48.6229

0.0000, NaN, NaN

94.8204, 31.1506,

0.0000, NaN, NaN

0.0000, NaN, NaN

-49.3178

0.0000, NaN, NaN

107.8038, 31.8283,  
-49.9811

■ 21.7543, 23.6316,  
-45.6770

■ 21.7543, 23.6316,  
-45.6770

■ 18.9270, 28.0492,  
-56.2296

■ 25.0018, 19.1954,  
-36.0258

■ 16.6327, 32.0136,  
-67.0069

■ 28.5770, 14.9227,  
-27.4211

■ 14.9191, 35.0701,  
-76.9470

■ 32.4122, 10.8607,  
-19.7699

■ 14.3828, 36.2135,  
-80.4925

■ 36.4582, 6.9979,  
-12.9128

■ 40.6794, 3.3044,  
-6.6926

■ 45.0495, -0.2528,  
-0.9756

■ 49.5486, -3.7029,  
4.3451

■ 54.1616, -7.0705,  
9.3535

■ 58.8765, -10.3753,  
14.1146

# Harmonies

## Analogous

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



21.7546, 2.9289, -63.9484



21.7543, 23.6316, -45.6770



21.7546, 40.7847, -16.5390

# Triad

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



21.7546, 23.6320, -45.6762



21.7546, 14.4916, 15.2282



21.7546, -26.0464, -2.9166

# Complementary

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



21.7543, 23.6316, -45.6770



44.5085, -18.6591, 23.9250

# 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.



21.7546, -24.7461, 10.6684



21.7543, 23.6316, -45.6770



21.7546, -4.9712, 15.2282

# Square

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



21.7546, 23.6320, -45.6762



21.7546, 34.4147, 13.1388



21.7546, -18.2253, 15.2282



21.7546, -22.6424, -29.1193



# Rectangle

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



21.7543, 23.6316, -45.6770



21.7546, 45.5451, -0.9190



21.7546, -18.2253, 15.2282



21.7546, -26.1225, 3.0963

# Sweetspot

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



21.7546, 23.6320, -45.6762



51.8475, 6.2151, -11.9159



35.6802, -10.0700, -14.4651



24.3664, 3.5679, -6.7073



82.0889, -4.3801, 4.4600



30.7619, -1.6414, 1.6714



# Same Dimension

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



21.7546, 23.6320, -45.6762



23.4626, 40.0490, -82.0124



26.4077, 34.0009, -32.1445



21.4567, 0.2992, -1.1441



14.1613, 35.6419, -79.1441



1.0131, 2.2865, -3.6212



# Inverse Universe

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



27.8719, 34.9295, -11.8024



33.8545, 54.1401, -16.4327



42.1229, -28.1181, 22.1096



21.7735, 1.2711, 0.0612



23.5412, 43.6796, -10.8703

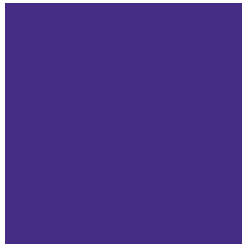


1.4302, 2.7290, -1.2440



# Previews

## White Background



This preview shows how the HunterLab color 21.7543, 23.6316, -45.6770 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 21.7543, 23.6316, -45.6770 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

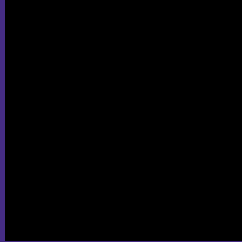
Any Text WCAG AA × Fail

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 21.7543, 23.6316, -45.6770 Background



This preview shows how black text looks on a background with the HunterLab color 21.7543, 23.6316, -45.6770.



This preview shows how white text looks on a background with the HunterLab color 21.7543, 23.6316, -45.6770.

-45.6770.

# 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

21.7543, 23.6316, -45.6770

### Protanopia

21.7671, 6.0403, -40.2463

### Deuteranopia

21.5850, -0.2478, -26.4446



## Tritanopia

21.9694, -3.3161, -1.7153

# Trichromacy



## Original Color

21.7543, 23.6316, -45.6770

## Protanomaly

20.9846, 11.0511, -44.5767

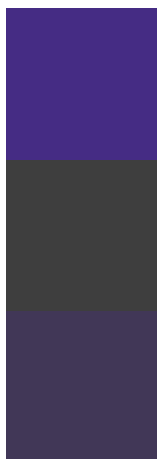
## Deuteranomaly

20.7831, 6.7961, -35.0861

## Tritanomaly

21.4441, 5.2564, -14.6890

# Monochromacy



## Original Color

21.7543, 23.6316, -45.6770

## Achromatopsia

21.9481, -1.1711, 1.1925

## Achromatomaly

21.3174, 6.7930, -11.8239

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 21.7543, 23.6316, -45.6770 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(69, 44, 132)` looks like.

```
.text, #text, p{  
    color:rgb(69, 44, 132)  
}
```

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(69, 44, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 44, 132) }
```

## Border

The CSS property to change the border of an element to HunterLab 21.7543, 23.6316, -45.6770 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(69, 44, 132) }
```



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

```
.border{ border-color:rgb(69, 44, 132) }
```

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

Here you see how a box with a 4 pixel rgb(69, 44, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 44, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 44, 132);  
box-shadow:4px 4px 4px 4px rgb(69, 44,  
132) }
```

# Background

The CSS property to change the background color of an element to HunterLab 21.7543, 23.6316, -45.6770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 44, 132) }
```

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

```
.background{ background-color: rgb(69, 44,  
132) }
```

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