

# Converting Colors

HunterLab(12.6773, 31.4286,  
-67.1427)

Have a look what the booklet for  
HunterLab(12.6773, 31.4286,  
-67.1427) contains.

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# Color

**HunterLab(12.6999, 31.4952,  
-67.3452)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	240073
RGB	36, 0, 115
RGB Percent	14%, 0%, 45%
CMY	0.8588, 1.0000, 0.5490
CMYK	0.69, 1.00, 0.00, 0.55
HSL	259°, 100%, 23%
HSV	259°, 100%, 45%
XYZ	3.8221, 1.6129, 16.3295
YIQ	23.8740, -15.4590, 43.3970

# Conversions

## Conversions Part 2

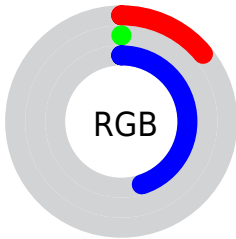
<b>Format</b>	<b>Color</b>
<b>RYB</b>	36, 0, 115
Decimal	2359411
CIELab	13.31, 44.97, -55.73
CIELCh	13, 71.609, 308.903
Yxy	1.6130, 0.1756, 0.0741
Android (android.graphics.Color)	4280549491 (0xFF240073)
YUV	23.8740, 44.9251, 10.6345
Hunter-Lab	12.6999, 31.4952, -67.3452

# Details

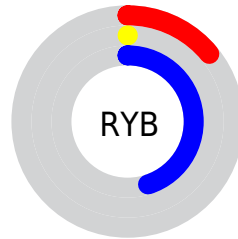
The HunterLab color **12.6999, 31.4952, -67.3452** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **37.3144, -20.5494, 22.6332**, and the grayscale version is **9.3920, -0.5011, 0.5103**.

A 20% lighter version of the original color is **27.7777, 35.0246, -61.3424**, and **6.1778, 16.7573, -43.8960** is the 20% darker color. If you saturate the color by 10%, you get **12.7002, 31.4956, -67.3433**, and if you desaturate by 10%, it is **14.2202, 28.5208, -58.3651**.

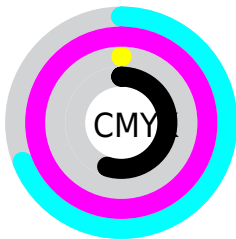
# Distribution



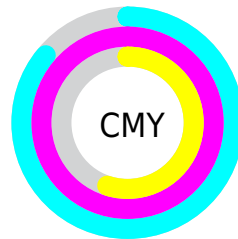
- Red (14%)
- Green (0%)
- Blue (45%)



- Red (14%)
- Yellow (0%)
- Blue (45%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)
- Black (55%)



- Cyan (86%)
- Magenta (100%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.6999, 31.4952, -67.3452 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 12.6999, 31.4952, -67.3452 by changing the saturation by 10% instead.



12.6999, 31.4952,  
-67.3452

12.6999, 31.4952,  
-67.3452

104.3091, 45.0336,  
-65.2149

6.0524, 36.6574,  
-89.8145

27.7141, 35.1268,  
-61.7759

0.0000, INF, -NF

0.0000, NaN, -NF

36.5588, 36.8766,  
-61.4444

0.0000, NaN, -NF

46.1845, 38.5126,  
-61.6746

0.0000, NaN, NaN

0.0000, NaN, NaN

56.5322, 40.0307,  
-62.1980

0.0000, NaN, NaN

67.5546, 41.4348,  
-62.8762


0.0000, NaN, NaN


79.2127, 42.7319,


0.0000, NaN, NaN


-63.6323


 91.4737, 43.9291,  
-64.4210


 12.6999, 31.4952,  
-67.3452


 12.6999, 31.4952,  
-67.3452


 12.7002, 31.4956,  
-67.3433

 14.2202, 28.5208,  
-58.3651

 16.0483, 25.3824,  
-49.5903

 18.3360, 21.7125,  
-40.7682

 20.9917, 17.9225,  
-32.5631

 23.9373, 14.2130,  
-25.1755

■ 27.1135, 10.6536,  
-18.5745

■ 30.4765, 7.2514,  
-12.6480

■ 33.9943, 3.9893,  
-7.2721

■ 37.6433, 0.8435,  
-2.3365

# Harmonies

## Analogous

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



12.7002, 5.5043, -104.4537



12.6999, 31.4952, -67.3452



12.7002, 54.7722, -19.3426

# Triad

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



12.7002, 31.4956, -67.3433



12.7002, 15.3846, 8.8902



12.7002, -22.2254, -5.9725

# Complementary

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



12.6999, 31.4952, -67.3452



37.3144, -20.5494, 22.6332

# 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.



12.7002, -22.2254, 8.8902



12.6999, 31.4952, -67.3452



12.7002, -5.8660, 8.8902

# Square

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



12.7002, 31.4956, -67.3433



12.7002, 42.2639, 8.8902



12.7002, -17.9727, 8.8902



12.7002, -21.6632, -46.4572



# Rectangle

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



12.6999, 31.4952, -67.3452



12.7002, 60.6401, 0.0057



12.7002, -17.9727, 8.8902



12.7002, -22.2254, 1.3407

# Sweetspot

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



12.7002, 31.4956, -67.3433



40.4197, 10.0554, -17.5217



26.5493, -6.1216, -19.9696



18.9977, 5.6466, -9.8195



77.7063, -4.1462, 4.2219



27.0627, -1.4440, 1.4704



# Same Dimension

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



12.7002, 31.4956, -67.3433



16.8028, 41.9663, -91.3977



18.7433, 38.7024, -39.0800



19.0797, 0.2768, -0.9487



13.5399, 33.6383, -72.2644



29.1988, 73.6200, -164.2016



# Inverse Universe

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



20.5166, 37.8864, -8.0689



27.4100, 50.5384, -10.1798



35.2756, -28.9217, 21.2303



19.3374, 1.0535, 0.1401



21.9275, 40.4762, -8.5026

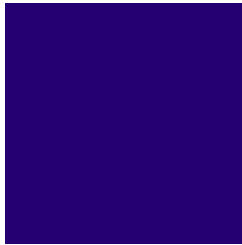


48.2401, 88.7599, -16.4811



# Previews

## White Background



This preview shows how the HunterLab color 12.6999, 31.4952, -67.3452 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

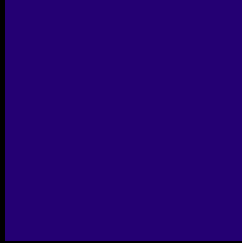
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the HunterLab color 12.6999, 31.4952, -67.3452 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

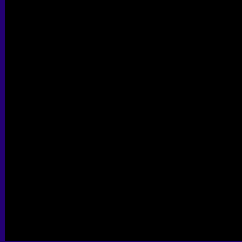
Any Text WCAG AA × Fail

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 12.6999, 31.4952, -67.3452 Background



This preview shows how black text looks on a background with the HunterLab color 12.6999, 31.4952, -67.3452.



This preview shows how white text looks on a background with the HunterLab color 12.6999, 31.4952, -67.3452.



# 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

12.6999, 31.4952, -67.3452

### Protanopia

13.6865, 2.6117, -22.7447

### Deuteranopia

13.8236, -1.6954, -13.6184

# Trichromacy



## Original Color

12.6999, 31.4952, -67.3452

## Protanomaly

12.2236, 13.3773, -40.2412

## Deuteranomaly

11.9202, 10.7934, -34.1844

# Monochromacy



## Original Color

12.6999, 31.4952, -67.3452

## Achromatopsia

9.5572, -0.5099, 0.5193

## Achromatomaly

9.4018, 9.9036, -18.4442

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 12.6999, 31.4952, -67.3452 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(36, 0, 115)` looks like.

```
.text, #text, p{  
    color:rgb(36, 0, 115)  
}
```

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(36, 0, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 0, 115) }
```

## Border

The CSS property to change the border of an element to HunterLab 12.6999, 31.4952, -67.3452 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(36, 0, 115) }
```

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

```
.border{ border-color:rgb(36, 0, 115) }
```

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

Here you see how a box with a 4 pixel rgb(36, 0, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(36, 0, 115)  
}
```



# Background

The CSS property to change the background color of an element to HunterLab 12.6999, 31.4952, -67.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 0, 115) }
```

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

```
.background{ background-color: rgb(36, 0,  
115) }
```

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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