

# Converting Colors

HunterLab(19.7504, -6.6790,  
-40.9420)

Have a look what the booklet for  
HunterLab(19.7504, -6.6790,  
-40.9420) contains.

<b>HunterLab(22.4117, 2.3829, -33.1568)</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(22.4117, 2.3829,  
-33.1568)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	004078
RGB	0, 64, 120
RGB Percent	0%, 25%, 47%
CMY	0.9999, 0.7490, 0.5294
CMYK	1.00, 0.47, 0.00, 0.53
HSL	208°, 100%, 24%
HSV	208°, 100%, 47%
XYZ	5.2235, 5.0228, 18.4635
YIQ	51.2480, -56.1200, 3.8480

# Conversions

## Conversions Part 2

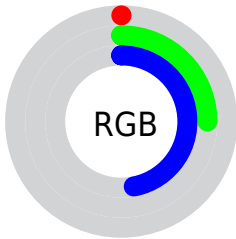
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	0, 42, 120
Decimal	16504
CIE Lab	26.80, 5.62, -36.91
CIE LCh	27, 37.332, 278.655
Yxy	5.0230, 0.1819, 0.1750
Android (android.graphics.Color)	4278206584 (0xFF004078)
YUV	51.2480, 33.8947, -44.9445
Hunter-Lab	22.4117, 2.3829, -33.1568

# Details

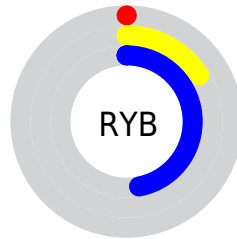
The HunterLab color **22.4117, 2.3829, -33.1568** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **26.1205, 16.8907, 16.3901**, and the grayscale version is **18.1827, -0.9702, 0.9879**.

A 20% lighter version of the original color is **39.8018, 2.3324, -34.3262**, and **10.3331, 6.8570, -27.7176** is the 20% darker color. If you saturate the color by 10%, you get **22.4102, 2.3858, -33.1610**, and if you desaturate by 10%, it is **24.0102, 0.4120, -29.0770**.

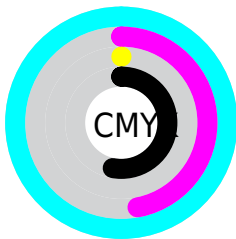
# Distribution



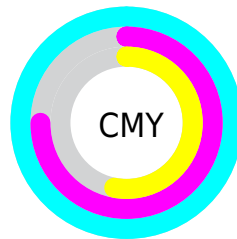
- Red (0%)
- Green (25%)
- Blue (47%)



- Red (0%)
- Yellow (16%)
- Blue (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (75%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 22.4117, 2.3829, -33.1568 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 22.4117, 2.3829, -33.1568 by changing the saturation by 10% instead.



■ 22.4117, 2.3829,  
-33.1568

■ 22.4117, 2.3829,  
-33.1568

■ 122.4929, -0.3634,  
-38.0668

■ 15.0358, 2.3603,  
-33.2863

■ 39.8340, 2.1681,  
-34.1096

■ 8.6765, 2.3589,  
-35.1050

■ 49.7177, 1.9565,  
-34.7471

0.0000, NaN, -NF

0.0000, NaN, -NF

■ 60.3059, 1.6870,  
-35.3906

0.0000, NaN, NaN

■ 71.5544, 1.3654,  
-36.0114

0.0000, NaN, NaN

■ 83.4264, 0.9962,  
-36.5949

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 95.8909, 0.5831,

-37.1339

0.0000, NaN, NaN

108.9209, 0.1291,  
-37.6249

22.4117, 2.3829,  
-33.1568

22.4117, 2.3829,  
-33.1568

22.4102, 2.3858,  
-33.1610

24.0102, 0.4120,  
-29.0770

25.7099, -1.2733,  
-25.1583

27.5443, -2.5414,  
-21.3210

29.5040, -3.4146,  
-17.5882

31.5786, -3.9262,  
-13.9729

■ 33.7576, -4.1133,  
-10.4799

■ 36.0317, -4.0129,  
-7.1072

■ 38.3919, -3.6591,  
-3.8490

■ 40.8308, -3.0829,  
-0.6970

# Harmonies

## Analogous

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



22.4120, -8.9954, -30.3835



22.4117, 2.3829, -33.1568



22.4120, 15.1210, -23.5950

# Triad

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



22.4120, 2.3835, -33.1562



22.4120, 19.8282, 11.0583



22.4120, -18.8995, 7.8312

# Complementary

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



22.4117, 2.3829, -33.1568



26.1205, 16.8907, 16.3901

# 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.



22.4120, -13.8700, 12.4855



22.4117, 2.3829, -33.1568



22.4120, 7.8390, 13.5733

# Square

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



22.4120, 2.3835, -33.1562



22.4120, 26.4935, 4.2792



22.4120, -4.5661, 13.9683



22.4120, -19.7568, -2.3425



# Rectangle

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



22.4117, 2.3829, -33.1568



22.4120, 22.1210, -13.4726



22.4120, -4.5661, 13.9683



22.4120, -17.7007, 9.9003

# Sweetspot

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



22.4120, 2.3835, -33.1562



47.5561, -5.3439, -9.7541



37.0388, -29.0074, 16.3247



22.6448, -2.6388, -5.4851



78.7982, -4.2045, 4.2813



27.9800, -1.4929, 1.5202



# Same Dimension

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



22.4120, 2.3835, -33.1562



29.2647, 4.0011, -45.2155



12.0137, 29.9975, -79.7680



20.5291, -1.5106, -0.2088



23.3458, 2.6036, -34.8006



49.2756, 8.8727, -80.7438



# Inverse Universe

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



20.8891, 37.5417, -0.2383



27.6530, 49.6124, 0.3828



40.6006, -9.5383, 24.8503



20.1183, 0.9867, 0.4814



21.8107, 39.1894, -0.1532



47.4535, 84.9296, 2.2601



# Previews

## White Background



This preview shows how the HunterLab color 22.4117, 2.3829, -33.1568 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 22.4117, 2.3829, -33.1568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

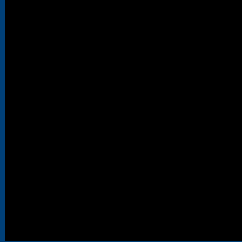
Any Text WCAG AA × Fail

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 22.4117, 2.3829, -33.1568 Background



This preview shows how black text looks on a background with the HunterLab color 22.4117, 2.3829, -33.1568.



This preview shows how white text looks on a background with the HunterLab color 22.4117, 2.3829,



# 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

22.4117, 2.3829, -33.1568

### Protanopia

22.6066, 5.3329, -30.9282

### Deuteranopia

22.3506, 0.2397, -28.4537



## Tritanopia

22.4238, -10.9210, -4.4525

# Trichromacy



## Original Color

22.4117, 2.3829, -33.1568

## Protanomaly

22.4889, 3.8085, -32.0885

## Deuteranomaly

22.4534, 0.7949, -29.7807

## Tritanomaly

22.1516, -6.5419, -13.5654

# Monochromacy



## Original Color

22.4117, 2.3829, -33.1568

## Achromatopsia

18.1947, -0.9708, 0.9886

## Achromatomaly

19.1239, -2.5311, -9.4586

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 22.4117, 2.3829, -33.1568 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(0, 64, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 64, 120)  
}
```

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(0, 64, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 64, 120) }
```

## Border

The CSS property to change the border of an element to HunterLab 22.4117, 2.3829, -33.1568 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(0, 64, 120) }
```



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

```
.border{ border-color:rgb(0, 64, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 64, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 64, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 64, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 64, 120)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 22.4117, 2.3829, -33.1568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 64, 120) }
```

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

```
.background{ background-color: rgb(0, 64,  
120) }
```

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