

Converting Colors

HunterLab(15.1351, 0.3579,
-36.6923)

Have a look what the booklet for
HunterLab(15.1351, 0.3579,
-36.6923) contains.

HunterLab(16.6662, 5.0055, -31.6368)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**HunterLab(16.6662, 5.0055,
-31.6368)**

Conversions

Conversions Part 1

Format	Color
Hex	002D63
RGB	0, 45, 99
RGB Percent	0%, 18%, 39%
CMY	1.0000, 0.8235, 0.6118
CMYK	1.00, 0.55, 0.00, 0.61
HSL	213°, 100%, 19%
HSV	213°, 100%, 39%
XYZ	3.1905, 2.7776, 12.1724
YIQ	37.7010, -44.1540, 7.2540

Conversions

Conversions Part 2

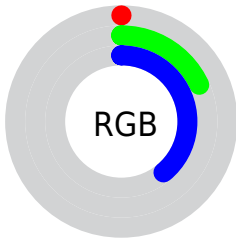
Format	Color
RYB	0, 31, 99
Decimal	11619
CIELab	19.13, 9.87, -35.78
CIELCh	19, 37.112, 285.421
Yxy	2.7777, 0.1759, 0.1531
Android (android.graphics.Color)	4278201699 (0xFF002D63)
YUV	37.7010, 30.2204, -33.0638
Hunter-Lab	16.6662, 5.0055, -31.6368

Details

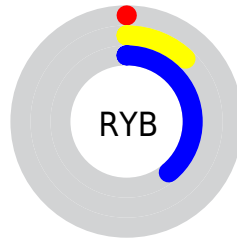
The HunterLab color **16.6662, 5.0055, -31.6368** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **23.0041, 9.9100, 14.3478**, and the grayscale version is **13.7433, -0.7333, 0.7467**.

A 20% lighter version of the original color is **32.7225, 5.3363, -32.0240**, and **4.9793, 13.5063, -35.3800** is the 20% darker color. If you saturate the color by 10%, you get **16.6651, 5.0079, -31.6405**, and if you desaturate by 10%, it is **18.1119, 3.1330, -27.4270**.

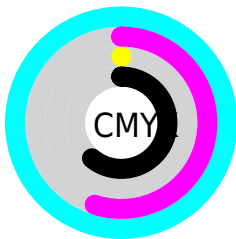
Distribution



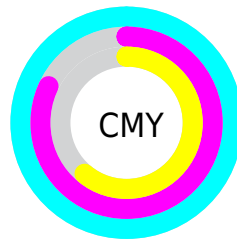
- Red (0%)
- Green (18%)
- Blue (39%)



- Red (0%)
- Yellow (12%)
- Blue (39%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (61%)



- Cyan (100%)
- Magenta (82%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 16.6662, 5.0055, -31.6368 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 16.6662, 5.0055, -31.6368 by changing the saturation by 10% instead.

■ 16.6662, 5.0055,
-31.6368

■ 16.6662, 5.0055,
-31.6368

■ 112.0362, 4.6414,
-36.1799

■ 10.0837, 4.5760,
-32.5552

■ 32.7644, 5.4669,
-32.2171

0.0000, INF, -NF

0.0000, NaN, -NF

■ 42.0718, 5.5478,
-32.8180

0.0000, NaN, NaN

■ 52.1241, 5.5493,
-33.4531

0.0000, NaN, NaN

■ 62.8698, 5.4812,
-34.0782

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 74.2666, 5.3511,
-34.6716

0.0000, NaN, NaN

■ 86.2794, 5.1648,

0.0000, NaN, NaN

-35.2226

■ 98.8779, 4.9269,
-35.7261

■ 16.6662, 5.0055,
-31.6368

■ 16.6662, 5.0055,
-31.6368

■ 16.6651, 5.0079,
-31.6405

■ 18.1119, 3.1330,
-27.4270

■ 19.6385, 1.4566,
-23.5119

■ 21.2875, 0.1335,
-19.7582

■ 23.0464, -0.8637,
-16.1826

■ 24.9031, -1.5699,
-12.7867

■ 26.8469, -2.0208,
-9.5619

■ 28.8686, -2.2499,
-6.4946

■ 30.9599, -2.2869,
-3.5689

■ 33.1141, -2.1577,
-0.7686

Harmonies

Analogous

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



16.6664, -5.8073, -31.8268



16.6662, 5.0055, -31.6368



16.6664, 16.6539, -19.8002

Triad

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



16.6664, 5.0061, -31.6364



16.6664, 16.3568, 10.0375



16.6664, -16.6158, 5.1572

Complementary

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



16.6662, 5.0055, -31.6368



23.0041, 9.9100, 14.3478

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.



16.6664, -13.2640, 9.9417



16.6662, 5.0055, -31.6368



16.6664, 4.6727, 11.6665

Square

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



16.6664, 5.0061, -31.6364



16.6664, 24.2598, 5.3558



16.6664, -6.0659, 11.6665



16.6664, -16.5698, -5.2549

Rectangle

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



16.6662, 5.0055, -31.6368



16.6664, 22.5432, -9.5940



16.6664, -6.0659, 11.6665



16.6664, -15.8958, 7.2151

Sweetspot

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



16.6664, 5.0061, -31.6364



37.5778, -2.9313, -8.8463



30.2969, -22.9715, 11.7214



17.9513, -1.3978, -4.8603



72.2857, -3.8570, 3.9274



22.5557, -1.2035, 1.2255

Same Dimension

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



16.6664, 5.0061, -31.6364



21.3688, 7.4943, -42.8872



9.6042, 25.8217, -66.5026



16.3794, -1.0474, -0.2246



18.8188, 6.1401, -36.7766



41.4710, 18.4433, -91.6488

Inverse Universe

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



16.8592, 29.9926, 2.1828



22.0351, 39.1198, 3.5106



33.7555, -10.1349, 20.6221



16.1468, 0.6586, 0.5431



19.2272, 34.1699, 2.7901



44.2444, 78.2625, 9.2672

Previews

White Background



This preview shows how the HunterLab color 16.6662, 5.0055, -31.6368 looks on a white background.

Color Contrast Check

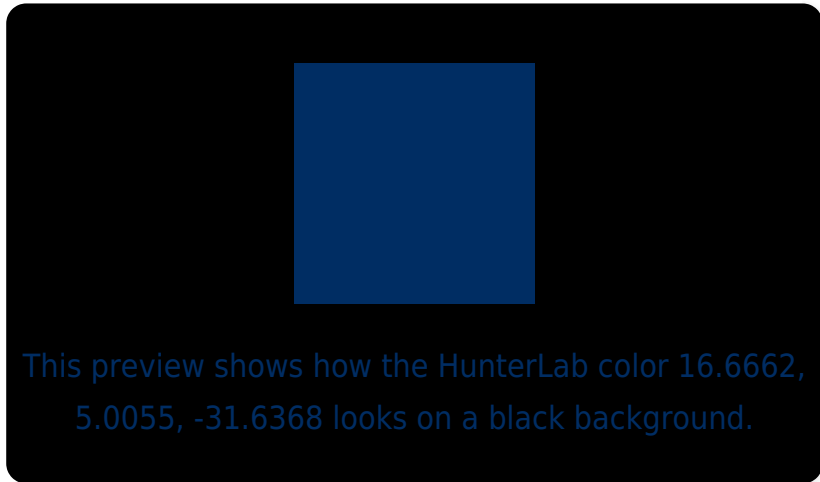
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

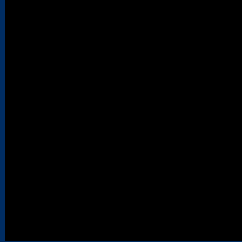
Any Text WCAG AA × Fail

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 16.6662, 5.0055, -31.6368 Background



This preview shows how black text looks on a background with the HunterLab color 16.6662, 5.0055, -31.6368.



This preview shows how white text looks on a background with the HunterLab color 16.6662, 5.0055, -31.6368.

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

16.6662, 5.0055, -31.6368

Protanopia

16.7841, 3.9652, -29.5384

Deuteranopia

16.5482, -0.7169, -19.1364



Tritanopia

16.8277, -8.3724, -2.9596

Trichromacy



Original Color

16.6662, 5.0055, -31.6368

Protanomaly

16.8399, 4.2545, -30.2326

Deuteranomaly

16.5961, 1.2841, -23.5158

Tritanomaly

16.5804, -4.1435, -11.7794

Monochromacy



Original Color

16.6662, 5.0055, -31.6368

Achromatopsia

13.9221, -0.7428, 0.7564

Achromatomaly

14.5131, -0.9811, -8.5386

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 16.6662, 5.0055, -31.6368 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, 45, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 45, 99)  
}
```

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, 45, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 45, 99) }
```

Border

The CSS property to change the border of an element to HunterLab 16.6662, 5.0055, -31.6368 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, 45, 99) }
```


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

```
.border{ border-color:rgb(0, 45, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 45, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 45, 99); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 45, 99); box-shadow:4px  
4px 4px 4px rgb(0, 45, 99) }
```

Background

The CSS property to change the background color of an element to HunterLab 16.6662, 5.0055, -31.6368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 45, 99) }
```

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

```
.background{ background-color: rgb(0, 45,  
99) }
```

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