

Converting Colors

HunterLab(16.6530, -1.0752,
-22.3378)

Have a look what the booklet for
HunterLab(16.6530, -1.0752,
-22.3378) contains.

HunterLab(17.0329, 0.1619, -21.6391)	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(17.0329, 0.1619,
-21.6391)**

Conversions

Conversions Part 1

Format	Color
Hex	003158
RGB	0, 49, 88
RGB Percent	0%, 19%, 35%
CMY	1.0000, 0.8078, 0.6549
CMYK	1.00, 0.44, 0.00, 0.65
HSL	207°, 100%, 17%
HSV	207°, 100%, 35%
XYZ	2.8598, 2.9012, 9.6418
YIQ	38.7950, -41.7230, 1.7410

Conversions

Conversions Part 2

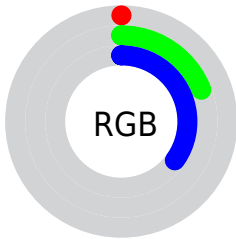
Format	Color
RYB	0, 31, 88
Decimal	12632
CIELab	19.64, 1.88, -27.69
CIELCh	20, 27.753, 273.878
Yxy	2.9013, 0.1857, 0.1884
Android (android.graphics.Color)	4278202712 (0xFF003158)
YUV	38.7950, 24.2581, -34.0232
Hunter-Lab	17.0329, 0.1619, -21.6391

Details

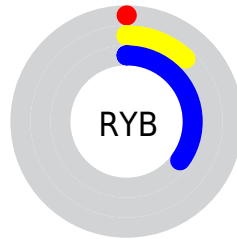
The HunterLab color **17.0329, 0.1619, -21.6391** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **18.7784, 12.2927, 11.7857**, and the grayscale version is **14.1125, -0.7530, 0.7668**.

A 20% lighter version of the original color is **33.2809, -0.6942, -22.3405**, and **4.8197, 8.2495, -23.8324** is the 20% darker color. If you saturate the color by 10%, you get **17.0322, 0.1632, -21.6411**, and if you desaturate by 10%, it is **18.1620, -0.9200, -18.9646**.

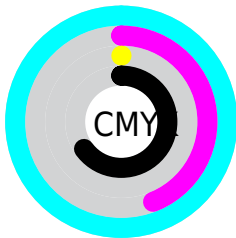
Distribution



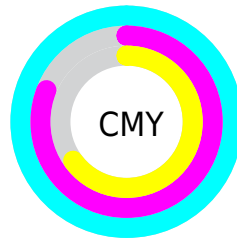
- Red (0%)
- Green (19%)
- Blue (35%)



- Red (0%)
- Yellow (12%)
- Blue (35%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (65%)



- Cyan (100%)
- Magenta (81%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 17.0329, 0.1619, -21.6391 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 17.0329, 0.1619, -21.6391 by changing the saturation by 10% instead.

■ 17.0329, 0.1619,
-21.6391

■ 17.0329, 0.1619,
-21.6391

■ 112.7266, -4.0256,
-25.4884

■ 10.3943, 0.3585,
-21.5848

■ 33.2232, -0.4409,
-22.6378

0.0000, INF, -NF

0.0000, NaN, -NF

■ 42.5703, -0.8269,
-23.1905

0.0000, NaN, NaN

■ 52.6594, -1.2609,
-23.7084

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 63.4395, -1.7384,
-24.1764

0.0000, NaN, NaN

■ 74.8687, -2.2561,
-24.5889

0.0000, NaN, NaN

■ 86.9123, -2.8113,

0.0000, NaN, NaN

-24.9445

■ 99.5402, -3.4017,
-25.2438

■ 17.0329, 0.1619,
-21.6391

■ 17.0329, 0.1619,
-21.6391

■ 17.0322, 0.1632,
-21.6411

■ 18.1620, -0.9200,
-18.9646

■ 19.3289, -1.9009,
-16.4432

■ 20.5798, -2.6146,
-13.9634

■ 21.9102, -3.0735,
-11.5366

■ 23.3141, -3.2981,
-9.1711

■ 24.7855, -3.3107,
-6.8708

■ 26.3188, -3.1337,
-4.6362

■ 27.9088, -2.7882,
-2.4655

■ 29.5508, -2.2934,
-0.3551

Harmonies

Analogous

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



17.0332, -7.2710, -18.6049



17.0329, 0.1619, -21.6391



17.0332, 8.7282, -16.6578

Triad

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



17.0332, 0.1623, -21.6387



17.0332, 14.1394, 7.3163



17.0332, -12.8134, 6.2686

Complementary

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



17.0329, 0.1619, -21.6391



18.7784, 12.2927, 11.7857

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.



17.0332, -8.7897, 9.2882



17.0329, 0.1619, -21.6391



17.0332, 6.5483, 9.7449

Square

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



17.0332, 0.1623, -21.6387



17.0332, 17.6999, 1.9042



17.0332, -1.9559, 10.4193



17.0332, -13.8876, -0.1114

Rectangle

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



17.0329, 0.1619, -21.6391



17.0332, 13.6757, -10.4005



17.0332, -1.9559, 10.4193



17.0332, -11.8036, 7.5788

Sweetspot

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



17.0332, 0.1623, -21.6387



34.5962, -4.1778, -6.4229



26.6840, -20.9969, 11.9746



17.1364, -2.1431, -3.6299



70.1359, -3.7423, 3.8106



20.7927, -1.1094, 1.1297

Same Dimension

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



17.0332, 0.1623, -21.6387



22.1055, 0.9420, -29.6635



9.1222, 19.7533, -54.0406



14.9141, -1.1142, -0.0497



20.6322, 0.7122, -27.3259



47.0170, 5.0515, -69.6719

Inverse Universe

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



15.1547, 27.4132, -1.5501



19.9921, 36.0823, -1.3859



28.5124, -5.7482, 17.4681



14.6161, 0.6148, 0.3474



18.5859, 33.5633, -1.4348



43.8436, 78.7975, -0.4602

Previews

White Background



This preview shows how the HunterLab color 17.0329, 0.1619, -21.6391 looks on a white background.

Color Contrast Check

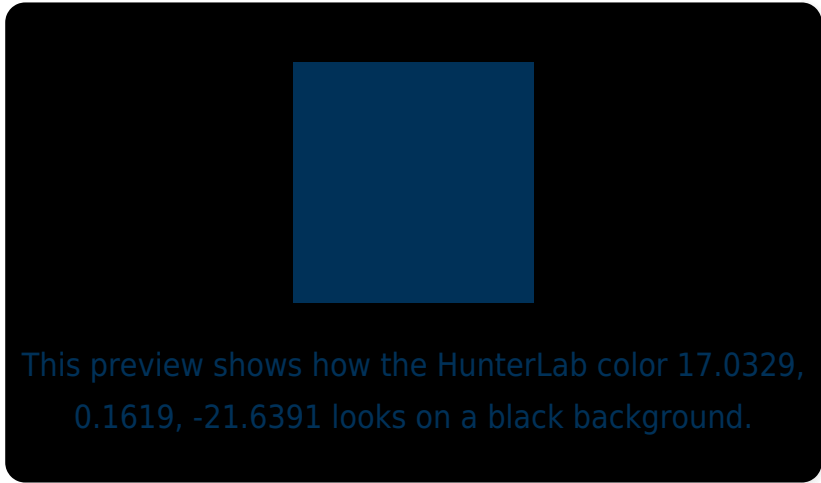
Large Text (above 18pt) WCAG AA ✓ Pass

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

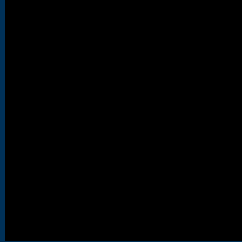
Any Text WCAG AA × Fail

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 17.0329, 0.1619, -21.6391 Background



This preview shows how black text looks on a background with the HunterLab color 17.0329, 0.1619, -21.6391.



This preview shows how white text looks on a background with the HunterLab color 17.0329, 0.1619, -21.6391.

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

17.0329, 0.1619, -21.6391

Protanopia

17.2654, 3.1963, -19.5388

Deuteranopia

16.9845, -0.1006, -21.0121



Tritanopia

17.1282, -8.5303, -2.9943

Trichromacy



Original Color

17.0329, 0.1619, -21.6391

Protanomaly

17.1478, 1.6967, -20.5803

Deuteranomaly

16.9845, -0.1006, -21.0121

Tritanomaly

16.9509, -5.7456, -8.7841

Monochromacy



Original Color

17.0329, 0.1619, -21.6391

Achromatopsia

14.2438, -0.7600, 0.7739

Achromatomaly

14.9326, -2.1853, -6.2062

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 17.0329, 0.1619, -21.6391 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, 49, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 49, 88)  
}
```

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, 49, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 49, 88) }
```

Border

The CSS property to change the border of an element to HunterLab 17.0329, 0.1619, -21.6391 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, 49, 88) }
```


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

```
.border{ border-color:rgb(0, 49, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 49, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 49, 88); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 49, 88); box-shadow:4px  
4px 4px 4px rgb(0, 49, 88) }
```

Background

The CSS property to change the background color of an element to HunterLab 17.0329, 0.1619, -21.6391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 49, 88) }
```

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

```
.background{ background-color: rgb(0, 49,  
88) }
```

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