

Converting Colors

HunterLab(12.9512, -1.5384,
0.4842)

Have a look what the booklet for
HunterLab(12.9512, -1.5384, 0.4842)
contains.

HunterLab(13.0238, -1.6168, 0.3986)	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(13.0238, -1.6168,
0.3986)**

Conversions

Conversions Part 1

Format	Color
Hex	202424
RGB	32, 36, 36
RGB Percent	13%, 14%, 14%
CMY	0.8745, 0.8588, 0.8588
CMYK	0.11, 0.00, 0.00, 0.86
HSL	180°, 6%, 13%
HSV	180°, 11%, 14%
XYZ	1.5450, 1.6962, 1.9150
YIQ	34.8040, -2.3840, -0.8480

Conversions

Conversions Part 2

Format	Color
RYB	32, 34, 36
Decimal	2106404
CIELab	13.81, -1.81, -0.62
CIElCh	14, 1.916, 199.016
Yxy	1.6963, 0.2996, 0.3290
Android (android.graphics.Color)	4280296484 (0xFF202424)
YUV	34.8040, 0.5896, -2.4591
Hunter-Lab	13.0238, -1.6168, 0.3986

Details

The HunterLab color **13.0238, -1.6168, 0.3986** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12.2980, 0.3204, 0.9952**, and the grayscale version is **12.9011, -0.6884, 0.7009**.

A 20% lighter version of the original color is **28.0232, -2.5600, 1.1657**, and 0.0000, NaN, NaN is the 20% darker color. If you saturate the color by 10%, you get **12.8130, -2.3725, 0.1306**, and if you desaturate by 10%, it is **13.2556, -0.8028, 0.6882**.

Distribution



Red (13%)

Green (14%)

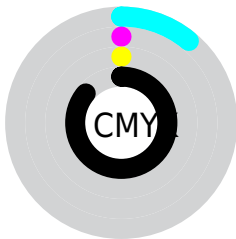
Blue (14%)



Red (13%)

Yellow (13%)

Blue (14%)



Cyan (11%)

Magenta (0%)

Yellow (0%)

Black (86%)



Cyan (87%)

Magenta (86%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 13.0238, -1.6168, 0.3986 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 13.0238, -1.6168, 0.3986 by changing the saturation by 10% instead.

■ 13.0238, -1.6168,
0.3986

■ 13.0238, -1.6168,
0.3986

104.9604, -7.4731,
5.0971

■ 6.4903, -1.5626,
-0.0454

■ 28.1334, -2.7005,
1.1324

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 37.0185, -3.2917,
1.5784

0.0000, NaN, NaN

■ 46.6813, -3.9149,
2.0697

0.0000, NaN, NaN

■ 57.0635, -4.5690,
2.6025

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 68.1183, -5.2529,
3.1739

0.0000, NaN, NaN

■ 79.8071, -5.9655,

0.0000, NaN, NaN

3.7814

■ 92.0972, -6.7059,
4.4231

■ 13.0238, -1.6168,
0.3986

■ 13.0238, -1.6168,
0.3986

■ 12.8130, -2.3725,
0.1306

■ 13.2556, -0.8028,
0.6882

■ 12.6227, -3.0652,
-0.1151

■ 13.5072, 0.0660,
0.9974

■ 12.4531, -3.6917,
-0.3371

■ 13.7786, 0.9849,
1.3247

■ 12.3043, -4.2493,
-0.5345

■ 14.0691, 1.9494,
1.6688

■ 12.1759, -4.7360,
-0.7066

■ 14.3782, 2.9550,
2.0279

■ 12.0677, -5.1510,
-0.8533

■ 14.7054, 3.9973,
2.4007

■ 11.9710, -5.5252,
-0.9854

■ 15.0499, 5.0722,
2.7857

■ 11.8735, -5.9056,
-1.1197

■ 15.4111, 6.1760,
3.1816

■ 11.7862, -6.2494,
-1.2410

■ 15.7883, 7.3051,
3.5871

Harmonies

Analogous

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



13.0241, -1.6519, 0.8868



13.0238, -1.6168, 0.3986



13.0241, -1.3376, -0.0211

Triad

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



13.0241, -1.6171, 0.3988



13.0241, 0.0590, 0.0770



13.0241, -0.5068, 1.5987

Complementary

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



13.0238, -1.6168, 0.3986



12.2980, 0.3204, 0.9952

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.



13.0241, -0.0410, 1.3990



13.0238, -1.6168, 0.3986



13.0241, 0.2890, 0.5285

Square

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



13.0241, -1.6171, 0.3988



13.0241, -0.3720, -0.2118



13.0241, 0.2522, 1.0116



13.0241, -1.0162, 1.5670

Rectangle

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



13.0238, -1.6168, 0.3986



13.0241, -1.0477, -0.1999



13.0241, 0.2522, 1.0116



13.0241, -0.3398, 1.5567

Sweetspot

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



13.0241, -1.6171, 0.3988



16.4006, -1.2131, 0.7779



12.9393, -2.0976, 1.6748



9.1837, -0.6945, 0.4305



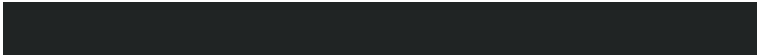
55.4075, -2.9564, 3.0104



9.2414, -0.4931, 0.5021

Same Dimension

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



13.0241, -1.6171, 0.3988



16.1010, -2.2713, 0.4019



12.5792, -0.8977, -0.1317



7.6268, -0.7873, 0.2870



25.6464, -13.5989, -2.6996



70.8920, -37.5909, -7.4609

Inverse Universe

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



12.2980, 0.3204, 0.9952



14.9811, 0.7184, 1.3223



12.7265, -0.4131, 1.4685



7.3299, 0.0046, 0.5308



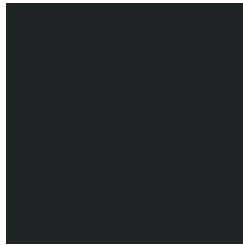
13.3266, 22.8224, 8.6097



36.8374, 63.0854, 23.8020

Previews

White Background



This preview shows how the HunterLab color 13.0238, -1.6168, 0.3986 looks on a white background.

Color Contrast Check

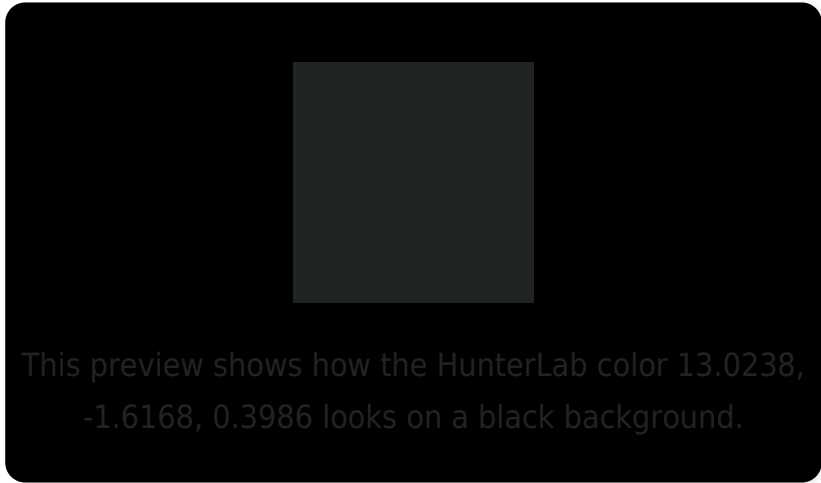
Large Text (above 18pt) WCAG AA ✓ Pass

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

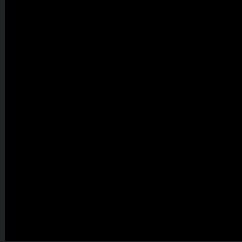
Any Text WCAG AA × Fail

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 13.0238, -1.6168, 0.3986 Background



This preview shows how black text looks on a background with the HunterLab color 13.0238, -1.6168, 0.3986.

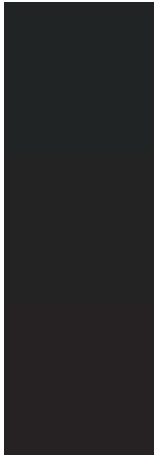


This preview shows how white text looks on a background with the HunterLab color 13.0238, -1.6168,

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

13.0238, -1.6168, 0.3986

Protanopia

13.0326, -0.4550, 0.7887

Deuteranopia

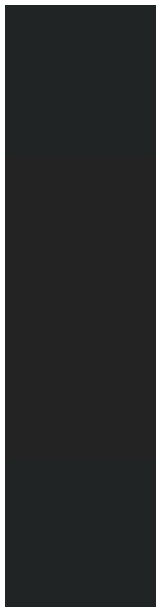
12.9750, 0.5407, 0.3777



Tritanopia

13.0720, -1.3501, -0.2859

Trichromacy



Original Color

13.0238, -1.6168, 0.3986

Protanomaly

12.9643, -0.6917, 0.7044

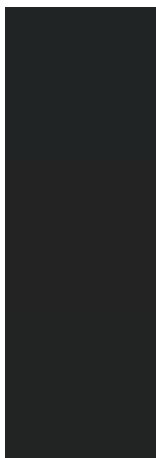
Deuteranomaly

13.0557, -0.3290, 0.4593

Tritanomaly

13.0476, -1.4850, 0.0605

Monochromacy



Original Color

13.0238, -1.6168, 0.3986

Achromatopsia

12.9643, -0.6917, 0.7044

Achromatomaly

12.8977, -0.9243, 0.6216

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 13.0238, -1.6168, 0.3986 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(32, 36, 36)` looks like.

```
.text, #text, p{  
    color:rgb(32, 36, 36)  
}
```

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(32, 36, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 36, 36) }
```

Border

The CSS property to change the border of an element to HunterLab 13.0238, -1.6168, 0.3986 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(32, 36, 36) }
```


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

```
.border{ border-color:rgb(32, 36, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 36, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 36, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 36, 36);  
box-shadow:4px 4px 4px 4px rgb(32, 36, 36)  
}
```

Background

The CSS property to change the background color of an element to HunterLab 13.0238, -1.6168, 0.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 36, 36) }
```

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

```
.background{ background-color: rgb(32, 36,  
36) }
```

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