

Converting Colors

HunterLab(28.4771, -16.8968,
12.0286)

Have a look what the booklet for
HunterLab(28.4771, -16.8968,
12.0286) contains.

HunterLab(28.3896, -16.9112, 12.0126)	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(28.3896,
-16.9112, 12.0126)**

Conversions

Conversions Part 1

Format	Color
Hex	2D5A2D
RGB	45, 90, 45
RGB Percent	18%, 35%, 18%
CMY	0.8235, 0.6471, 0.8235
CMYK	0.50, 0.00, 0.50, 0.65
HSL	120°, 33%, 26%
HSV	120°, 50%, 35%
XYZ	5.2120, 8.0597, 3.7636
YIQ	71.4150, -12.3750, -23.5350

Conversions

Conversions Part 2

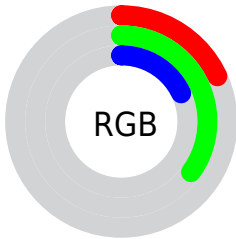
Format	Color
R_{YB}	45, 90, 90
Decimal	2972205
CIE _{Lab}	34.11, -26.02, 21.24
CIE _{LCh}	34, 33.589, 140.773
Yxy	8.0600, 0.3060, 0.4731
Android (android.graphics.Color)	4281162285 (0xFF2D5A2D)
YUV	71.4150, -13.0226, -23.1660
Hunter-Lab	28.3896, -16.9112, 12.0126




Details

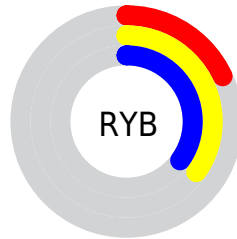
The HunterLab color $[28.3896, -16.9112, 12.0126]$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $[21.8832, 18.8073, -12.3943]$, and the grayscale version is $[25.2973, -1.3498, 1.3744]$.




A 20% lighter version of the original color is $[47.1192, -21.5707, 15.9164]$, and $[13.1444, -11.2713, 7.9022]$ is the 20% darker color. If you saturate the color by 10%, you get $[27.9555, -18.8970, 13.3551]$, and if you desaturate by 10%, it is $[28.9194, -14.5405, 10.4099]$.

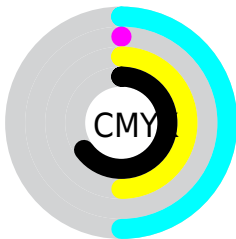
Distribution







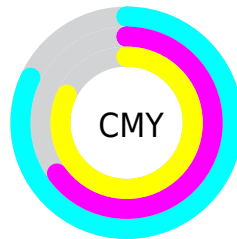
-  Red (18%)
-  Green (35%)
-  Blue (18%)






-  Red (18%)
-  Yellow (35%)
-  Blue (35%)



-  Cyan (50%)
-  Magenta (0%)
-  Yellow (50%)
-  Black (65%)



-  Cyan (82%)
-  Magenta (65%)
-  Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 28.3896, -16.9112, 12.0126 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 28.3896, -16.9112, 12.0126 by changing the saturation by 10% instead.

■ 28.3896, -16.9112,
12.0126

■ 28.3896, -16.9112,
12.0126

132.7411,
-34.9633, 27.9019

■ 20.3307, -14.4340,
9.8668

■ 46.9852, -21.3789,
15.9030

■ 13.2229, -11.6756,
8.2900

■ 57.3883, -23.4593,
17.7231

■ 6.7434, -11.8010,
4.7204

■ 68.4629, -25.4723,
19.4898

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 80.1703, -27.4339,
21.2172

0.0000, NaN, NaN

■ 92.4781, -29.3560,
22.9153

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 105.3583,

-31.2474, 24.5918

0.0000, NaN, NaN

118.7865,
-33.1147, 26.2525

■ 28.3896, -16.9112,
12.0126

■ 28.3896, -16.9112,
12.0126

■ 27.9555, -18.8970,
13.3551

■ 28.9194, -14.5405,
10.4099

■ 27.6131, -20.4864,
14.4297

■ 29.5438, -11.8040,
8.5602

■ 27.3586, -21.6821,
15.2383

■ 30.2627, -8.7302,
6.4829

■ 27.1854, -22.5034,
15.7938

■ 31.0743, -5.3525,
4.2007

■ 27.0420, -23.1884,
16.2570

■ 31.9759, -1.7065,
1.7376

■ 32.9640, 2.1717,
-0.8819

■ 34.0347, 6.2473,
-3.6341

■ 35.1839, 10.4880,
-6.4971

■ 36.4072, 14.8648,
-9.4512

Harmonies

Analogous

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



28.3902, -9.0551, 15.1476



28.3896, -16.9112, 12.0126



28.3902, -20.4673, 4.7639

Triad

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



28.3902, -16.9117, 12.0128



28.3902, -5.0306, -28.6894



28.3902, 22.6987, 8.1298

Complementary

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



28.3896, -16.9112, 12.0126



21.8832, 18.8073, -12.3943

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.



28.3902, 24.2448, -2.1005



28.3896, -16.9112, 12.0126



28.3902, 6.9017, -26.5890

Square

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



28.3902, -16.9117, 12.0128



28.3902, -14.3760, -20.5031



28.3902, 18.0735, -15.5701



28.3902, 14.1387, 13.6185

Rectangle

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



28.3896, -16.9112, 12.0126



28.3902, -20.3918, -2.7480



28.3902, 18.0735, -15.5701



28.3902, 24.1047, 5.2579

Sweetspot

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



28.3902, -16.9117, 12.0128



40.4964, -9.5769, 7.2434



31.1061, -6.5391, 14.3209



19.8416, -4.9921, 3.7529



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.



28.3902, -16.9117, 12.0128



36.8777, -25.4435, 17.9679



28.7782, -14.5929, 6.3742



16.0819, -2.5521, 2.0257



33.2814, -28.5387, 20.0080



77.8815, -66.7833, 46.8209

Inverse Universe

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



21.8832, 18.8073, -12.3943



26.6847, 31.0188, -20.6115



21.1231, 15.2862, -1.8437



15.4350, 0.9414, -0.3616



21.0017, 41.2897, -27.6979



49.1458, 96.6217, -64.8154

Previews

White Background



This preview shows how the HunterLab color 28.3896, -16.9112, 12.0126 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

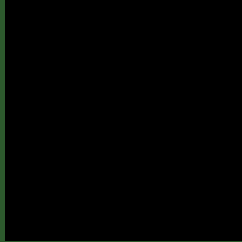
Any Text WCAG AA × Fail

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 28.3896, -16.9112, 12.0126 Background



This preview shows how black text looks on a background with the HunterLab color 28.3896, -16.9112, 12.0126.



This preview shows how white text looks on a background with the HunterLab color 28.3896,

-16.9112, 12.0126.

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

28.3896, -16.9112, 12.0126

Protanopia

28.2475, -3.2333, 12.7516

Deuteranopia

28.1490, 1.7718, 11.4865



Tritanopia

28.4287, -7.3315, -3.7275

Trichromacy



Original Color

28.3896, -16.9112, 12.0126

Protanomaly

28.0941, -9.2710, 12.3258

Deuteranomaly

27.7665, -6.1793, 11.2589

Tritanomaly

28.3341, -11.5120, 3.3286

Monochromacy



Original Color

28.3896, -16.9112, 12.0126

Achromatopsia

25.1018, -1.3394, 1.3638

Achromatomaly

26.1165, -7.5625, 5.6141

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 28.3896, -16.9112, 12.0126 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(45, 90, 45)` looks like.

```
.text, #text, p{  
    color:rgb(45, 90, 45)  
}
```

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(45, 90, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 90, 45) }
```

Border

The CSS property to change the border of an element to HunterLab 28.3896, -16.9112, 12.0126 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(45, 90, 45) }
```


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

```
.border{ border-color:rgb(45, 90, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 90, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 90, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 90, 45);  
box-shadow:4px 4px 4px 4px rgb(45, 90, 45)  
}
```

Background

The CSS property to change the background color of an element to HunterLab 28.3896, -16.9112, 12.0126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 90, 45) }
```

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

```
.background{ background-color: rgb(45, 90,  
45) }
```

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