

Converting Colors

HunterLab(12.9084, 25.3713,
-16.9705)

Have a look what the booklet for
HunterLab(12.9084, 25.3713,
-16.9705) contains.

HunterLab(12.8308, 25.2258, -16.9231)	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(12.8308, 25.2258,
-16.9231)**

Conversions

Conversions Part 1

Format	Color
Hex	440044
RGB	68, 0, 68
RGB Percent	27%, 0%, 27%
CMY	0.7333, 1.0000, 0.7333
CMYK	0.00, 1.00, 0.00, 0.73
HSL	300°, 100%, 13%
HSV	300°, 100%, 27%
XYZ	3.4273, 1.6463, 5.6060
YIQ	28.0840, 18.7000, 35.5640

Conversions

Conversions Part 2

Format	Color
R_{YB}	68, 0, 68
Decimal	4456516
CIE _{Lab}	13.51, 37.99, -23.52
CIE _{LCh}	14, 44.683, 328.233
Yxy	1.6464, 0.3209, 0.1542
Android (android.graphics.Color)	4282646596 (0xFF440044)
YUV	28.0840, 19.6786, 35.0063
Hunter-Lab	12.8308, 25.2258, -16.9231

Details

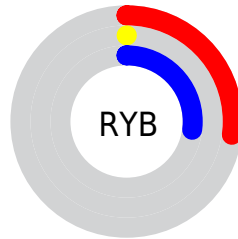
The HunterLab color **12.8308, 25.2258, -16.9231** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **20.3330, -17.4352, 12.2236**, and the grayscale version is **10.7396, -0.5730, 0.5835**.

A 20% lighter version of the original color is **27.8433, 28.7928, -18.1763**, and **3.7962, 8.2382, -11.0132** is the 20% darker color. If you saturate the color by 10%, you get **12.8309, 25.2259, -16.9230**, and if you desaturate by 10%, it is **13.3940, 23.2200, -15.5487**.

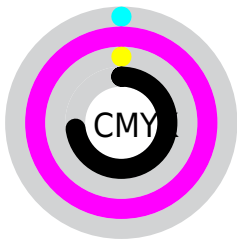
Distribution



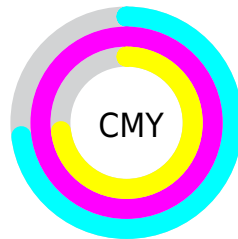
- Red (27%)
- Green (0%)
- Blue (27%)



- Red (27%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (73%)



- Cyan (73%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.8308, 25.2258, -16.9231 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 12.8308, 25.2258, -16.9231 by changing the saturation by 10% instead.

12.8308, 25.2258,
-16.9231

12.8308, 25.2258,
-16.9231

104.5728, 36.6328,
-20.1702

6.2335, 28.7109,
-19.8161

27.8837, 28.5394,
-17.8427

0.0000, INF, -NF

0.0000, NaN, NaN

36.7448, 30.0407,
-18.3430

0.0000, NaN, NaN

46.3855, 31.4141,
-18.7969

0.0000, NaN, NaN

0.0000, NaN, NaN

56.7472, 32.6656,
-19.1924

0.0000, NaN, NaN

67.7828, 33.8045,
-19.5263

0.0000, NaN, NaN

79.4534, 34.8399,

0.0000, NaN, NaN

-19.7992

■ 91.7261, 35.7801,
-20.0129

■ 12.8308, 25.2258,
-16.9231

■ 12.8308, 25.2258,
-16.9231

■ 12.8309, 25.2259,
-16.9230

■ 13.3940, 23.2200,
-15.5487

■ 13.9636, 21.3159,
-14.2436

■ 14.7002, 19.0161,
-12.6664

■ 15.6189, 16.3682,
-10.8492

■ 16.7049, 13.5023,
-8.8806

■ 17.9404, 10.5264,
-6.8346

■ 19.3077, 7.5191,
-4.7648

■ 20.7902, 4.5312,
-2.7062

■ 22.3730, 1.5921,
-0.6789

Harmonies

Analogous

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



12.8311, 12.0708, -37.2437



12.8308, 25.2258, -16.9231



12.8311, 31.2396, 0.0069

Triad

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



12.8311, 25.2251, -16.9224



12.8311, 0.0299, 8.9818



12.8311, -16.0480, -14.5084

Complementary

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



12.8308, 25.2258, -16.9231



20.3330, -17.4352, 12.2236

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.



12.8311, -17.8460, 1.3535



12.8308, 25.2258, -16.9231



12.8311, -9.8344, 8.9818

Square

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



12.8311, 25.2251, -16.9224



12.8311, 13.7645, 8.9818



12.8311, -15.5799, 8.9818



12.8311, -10.6675, -35.1583

Rectangle

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



12.8308, 25.2258, -16.9231



12.8311, 29.1837, 5.9733



12.8311, -15.5799, 8.9818



12.8311, -17.0914, -8.1778

Sweetspot

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



12.8311, 25.2251, -16.9224



25.2168, 10.4194, -6.6305



6.4609, 17.5218, -45.8987



12.9316, 5.8326, -3.7330



64.8100, -3.4581, 3.5212



16.4960, -0.8802, 0.8963

Same Dimension

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



12.8311, 25.2251, -16.9224



16.9166, 33.2585, -22.3117



11.5953, 20.8522, -0.2288



11.6477, 0.5925, -0.1927



18.4312, 36.2363, -24.3094



46.1679, 90.7676, -60.8920

Inverse Universe

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



12.8311, 25.2251, -16.9224



16.9166, 33.2585, -22.3117



20.6151, -15.6770, 8.0756



11.6477, 0.5925, -0.1927



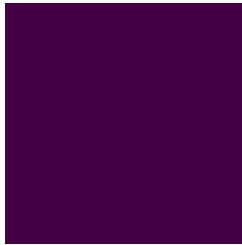
18.4312, 36.2363, -24.3094



46.1679, 90.7676, -60.8920

Previews

White Background



This preview shows how the HunterLab color 12.8308, 25.2258, -16.9231 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

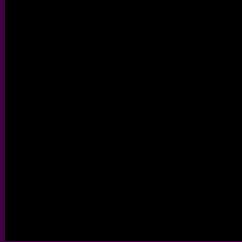
Any Text WCAG AA × Fail

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 12.8308, 25.2258, -16.9231 Background



This preview shows how black text looks on a background with the HunterLab color 12.8308, 25.2258, -16.9231.



This preview shows how white text looks on a background with the HunterLab color 12.8308, 25.2258, -16.9231.

-16.9231.

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

12.8308, 25.2258, -16.9231

Protanopia

14.0193, 2.7273, -23.4105

Deuteranopia

14.1540, 0.5070, -11.5878



Tritanopia

13.9918, 10.1623, 4.1442

Trichromacy



Original Color

12.8308, 25.2258, -16.9231

Protanomaly

11.7548, 10.2864, -27.0643

Deuteranomaly

12.2811, 9.5897, -16.4083

Tritanomaly

13.0351, 15.7568, -2.0876

Monochromacy



Original Color

12.8308, 25.2258, -16.9231

Achromatopsia

10.7760, -0.5750, 0.5855

Achromatomaly

10.5859, 9.2735, -6.1153

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 12.8308, 25.2258, -16.9231 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(68, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(68, 0, 68)  
}
```

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(68, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 0, 68) }
```

Border

The CSS property to change the border of an element to HunterLab 12.8308, 25.2258, -16.9231 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(68, 0, 68) }
```


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

```
.border{ border-color:rgb(68, 0, 68) }
```

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

Here you see how a box with a 4 pixel rgb(68, 0, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 0, 68); -webkit-box-shadow:4px  
4px 4px 4px rgb(68, 0, 68); box-shadow:4px  
4px 4px 4px rgb(68, 0, 68) }
```

Background

The CSS property to change the background color of an element to HunterLab 12.8308, 25.2258, -16.9231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 0, 68) }
```

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

```
.background{ background-color: rgb(68, 0,  
68) }
```

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