

Converting Colors

HunterLab(48.9009, -0.2197,
28.4202)

Have a look what the booklet for
HunterLab(48.9009, -0.2197,
28.4202) contains.

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Color

**HunterLab(48.8483, -0.1181,
28.3516)**

Conversions

Conversions Part 1

Format	Color
Hex	A38221
RGB	163, 130, 33
RGB Percent	64%, 51%, 13%
CMY	0.3608, 0.4902, 0.8706
CMYK	0.00, 0.20, 0.80, 0.36
HSL	45°, 66%, 38%
HSV	45°, 80%, 64%
XYZ	23.3614, 23.8616, 4.8133
YIQ	128.8090, 50.8050, -23.1710

Conversions

Conversions Part 2

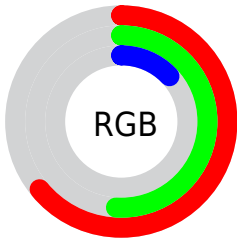
Format	Color
R_{YB}	77, 163, 33
Decimal	10715681
CIE _{Lab}	55.95, 3.07, 53.33
CIE _{LCh}	56, 53.421, 86.701
Yxy	23.8627, 0.4489, 0.4586
Android (android.graphics.Color)	4288905761 (0xFFA38221)
YUV	128.8090, -47.2338, 29.9855
Hunter-Lab	48.8483, -0.1181, 28.3516

Details

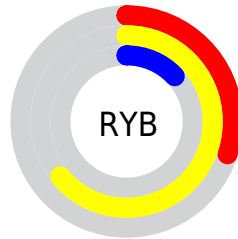
The HunterLab color **48.8483, -0.1181, 28.3516** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **26.1993, 16.7389, -61.9776**, and the grayscale version is **46.9452, -2.5049, 2.5506**.

A 20% lighter version of the original color is **70.6477, -1.2642, 36.1220**, and **30.0178, 1.0219, 18.5147** is the 20% darker color. If you saturate the color by 10%, you get **47.6590, 1.4175, 28.7473**, and if you desaturate by 10%, it is **50.1001, -1.4194, 27.3679**.

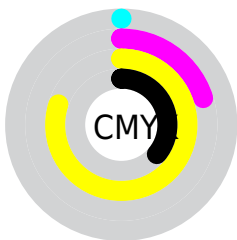
Distribution



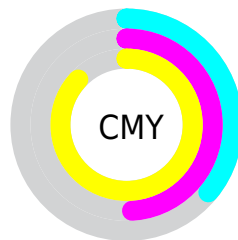
- Red (64%)
- Green (51%)
- Blue (13%)



- Red (30%)
- Yellow (64%)
- Blue (13%)



- Cyan (0%)
- Magenta (20%)
- Yellow (80%)
- Black (36%)



- Cyan (36%)
- Magenta (49%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 48.8483, -0.1181, 28.3516 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 48.8483, -0.1181, 28.3516 by changing the saturation by 10% instead.

■ 48.8483, -0.1181,
28.3516

■ 48.8483, -0.1181,
28.3516

164.9623, -5.0973,
59.0880

■ 39.0280, 0.2285,
24.1573

■ 70.5734, -0.9619,
36.0881

■ 29.9704, 0.5221,
19.7828

■ 82.3938, -1.4468,
39.6967

■ 21.7477, 0.7523,
15.2234

■ 94.8090, -1.9703,
43.1683

■ 14.4551, 0.9070,
10.1186

■ 107.7919, -2.5302,
46.5240

■ 8.1161, 1.2168,
5.6813

■ 121.3187, -3.1245,
49.7810

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 135.3682, -3.7514,

52.9532

0.0000, NaN, NaN

149.9217, -4.4094,
56.0523

0.0000, NaN, NaN

■ 48.8483, -0.1181,
28.3516

■ 48.8483, -0.1181,
28.3516

■ 47.6590, 1.4175,
28.7473

■ 50.1001, -1.4194,
27.3679

■ 46.5190, 3.1345,
28.7049

■ 51.4123, -2.4635,
25.7632

■ 46.4911, 3.1775,
28.7032

■ 52.7866, -3.2442,
23.5255

■ 54.2226, -3.7584,
20.6555

■ 55.7194, -4.0070,
17.1638

■ 57.2758, -3.9944,
13.0675

■ 58.8901, -3.7272,
8.3885

■ 60.5606, -3.2135,
3.1518

■ 62.2855, -2.4629,
-2.6158

Harmonies

Analogous

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



48.8495, 23.1971, 25.9252



48.8483, -0.1181, 28.3516



48.8495, -20.4023, 26.8488

Triad

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



48.8495, -0.1203, 28.3520



48.8495, -35.2841, -19.4184



48.8495, 38.5883, -25.4125

Complementary

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



48.8483, -0.1181, 28.3516



26.1993, 16.7389, -61.9776

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.



48.8495, 18.1631, -49.5350



48.8483, -0.1181, 28.3516



48.8495, -23.9682, -45.1200

Square

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



48.8495, -0.1203, 28.3520



48.8495, -38.4346, 4.9456



48.8495, -5.0491, -58.0066



48.8495, 47.9220, 0.2562

Rectangle

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



48.8483, -0.1181, 28.3516



48.8495, -30.0345, 23.1599



48.8495, -5.0491, -58.0066



48.8495, 32.6314, -34.3450

Sweetspot

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



48.8495, -0.1203, 28.3520



75.6626, -5.3965, 20.1594



30.4758, 44.3723, 9.0190



35.5235, -2.5525, 10.4202



90.9709, -4.8540, 4.9426



38.3822, -2.0480, 2.0854

Same Dimension

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



48.8495, -0.1203, 28.3520



62.5560, 3.7557, 38.3820



55.9137, -24.4489, 32.4997



28.1628, -1.7708, 3.8910



41.0774, 2.6382, 25.3579



6.5057, -0.5553, 3.9990

Inverse Universe

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



26.1993, 16.7389, -61.9776



28.3303, 35.8800, -111.7865



21.9092, 36.8274, -79.6239



26.7182, -1.0611, -1.0926



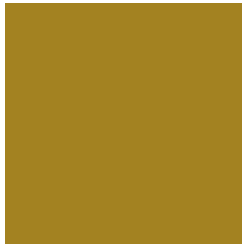
18.3619, 24.2119, -75.2172



3.7621, 0.8718, -6.5843

Previews

White Background



This preview shows how the HunterLab color 48.8483, -0.1181, 28.3516 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the HunterLab color 48.8483, -0.1181, 28.3516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

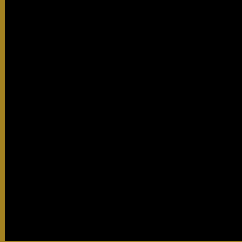
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

HunterLab 48.8483, -0.1181, 28.3516 Background



This preview shows how black text looks on a background with the HunterLab color 48.8483, -0.1181, 28.3516.



This preview shows how white text looks on a background with the HunterLab color 48.8483, -0.1181,

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

48.8483, -0.1181, 28.3516

Protanopia

49.0130, -6.6884, 28.2538

Deuteranopia

48.7127, 3.5776, 28.2372



Tritanopia

48.7324, 14.7009, 4.1613

Trichromacy



Original Color

48.8483, -0.1181, 28.3516

Protanomaly

48.8458, -4.3759, 28.1850

Deuteranomaly

48.7538, 2.3468, 28.2425

Tritanomaly

48.4324, 8.1542, 16.7331

Monochromacy



Original Color

48.8483, -0.1181, 28.3516

Achromatopsia

46.8536, -2.5000, 2.5456

Achromatomaly

47.0865, -3.3417, 15.6218

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 48.8483, -0.1181, 28.3516 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(163, 130, 33)` looks like.

```
.text, #text, p{  
    color:rgb(163, 130, 33)  
}
```

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(163, 130, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 130, 33) }
```

Border

The CSS property to change the border of an element to HunterLab 48.8483, -0.1181, 28.3516 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(163, 130, 33) }
```


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

```
.border{ border-color:rgb(163, 130, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 130, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 130, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 130, 33);  
box-shadow:4px 4px 4px 4px rgb(163, 130,  
33) }
```

Background

The CSS property to change the background color of an element to HunterLab 48.8483, -0.1181, 28.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 130, 33) }
```

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

```
.background{ background-color: rgb(163,  
130, 33) }
```

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](#).

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