

Converting Colors

HunterLab(12.0998, -2.1258,
4.0476)

Have a look what the booklet for
HunterLab(12.0998, -2.1258, 4.0476)
contains.

HunterLab(12.1045, -1.9177, 3.9501)	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(12.1045, -1.9177,
3.9501)**

Conversions

Conversions Part 1

Format	Color
Hex	212115
RGB	33, 33, 21
RGB Percent	13%, 13%, 8%
CMY	0.8706, 0.8706, 0.9176
CMYK	0.00, 0.00, 0.36, 0.87
HSL	60°, 22%, 11%
HSV	60°, 36%, 13%
XYZ	1.3064, 1.4652, 0.9234
YIQ	31.6320, 3.8520, -3.7320

Conversions

Conversions Part 2

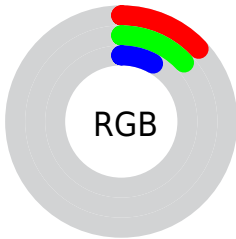
Format	Color
R_{YB}	21, 33, 21
Decimal	2171157
CIE Lab	12.39, -2.58, 8.15
CIE LCh	12, 8.544, 107.569
Yxy	1.4653, 0.3536, 0.3965
Android (android.graphics.Color)	4280361237 (0xFF212115)
YUV	31.6320, -5.2416, 1.1997
Hunter-Lab	12.1045, -1.9177, 3.9501

Details

The HunterLab color **12.1045, -1.9177, 3.9501** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **8.9755, 1.2367, -3.9529**, and the grayscale version is **11.9183, -0.6359, 0.6475**.

A 20% lighter version of the original color is **26.9155, -3.2544, 6.1691**, and 0.0000, NaN, NaN is the 20% darker color. If you saturate the color by 10%, you get **12.0574, -2.1832, 4.6403**, and if you desaturate by 10%, it is **12.1586, -1.6181, 3.1695**.

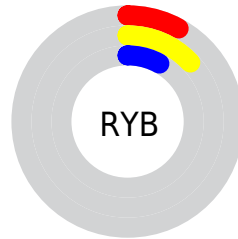
Distribution



Red (13%)

Green (13%)

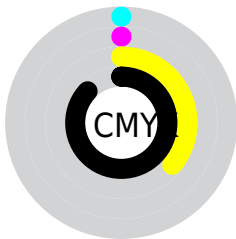
Blue (8%)



Red (8%)

Yellow (13%)

Blue (8%)

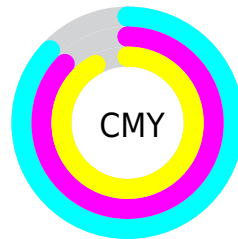


Cyan (0%)

Magenta (0%)

Yellow (36%)

Black (87%)



Cyan (87%)

Magenta (87%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.1045, -1.9177, 3.9501 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 12.1045, -1.9177, 3.9501 by changing the saturation by 10% instead.

12.1045, -1.9177,
3.9501

12.1045, -1.9177,
3.9501

103.1004, -8.1456,
13.2669

5.1389, -2.4614,
3.5972

26.9392, -3.1136,
6.0795

0.0000, NaN, NaN

0.0000, NaN, NaN

35.7084, -3.7508,
7.0992

0.0000, NaN, NaN

45.2646, -4.4158,
8.1115

0.0000, NaN, NaN

55.5477, -5.1086,
9.1248

0.0000, NaN, NaN

0.0000, NaN, NaN

66.5096, -5.8286,
10.1442

0.0000, NaN, NaN

78.1105, -6.5751,

0.0000, NaN, NaN

11.1729

■ 90.3170, -7.3477,
12.2133

■ 12.1045, -1.9177,
3.9501

■ 12.1045, -1.9177,
3.9501

■ 12.0574, -2.1832,
4.6403

■ 12.1586, -1.6181,
3.1695

■ 12.0163, -2.4140,
5.2412

■ 12.2191, -1.2830,
2.2970

■ 11.9812, -2.6115,
5.7552

■ 12.2863, -0.9124,
1.3322

■ 11.9507, -2.7840,
6.2040

■ 12.3603, -0.5064,
0.2752

■ 11.9204, -2.9557,
6.6508

■ 12.4413, -0.0651,
-0.8737

■ 11.8900, -3.1283,
7.1000

■ 12.5293, 0.4110,
-2.1134

■ 11.8789, -3.1912,
7.2639

■ 12.6244, 0.9215,
-3.4427

■ 12.7265, 1.4658,
-4.8599

■ 12.8356, 2.0430,
-6.3631

Harmonies

Analogous

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



12.1048, 0.2937, 4.0181



12.1045, -1.9177, 3.9501



12.1048, -3.6613, 3.1079

Triad

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



12.1048, -1.9181, 3.9502



12.1048, -3.4148, -2.7680



12.1048, 3.8482, -0.2557

Complementary

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



12.1045, -1.9177, 3.9501



8.9755, 1.2367, -3.9529

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.



12.1048, 2.6956, -2.4407



12.1045, -1.9177, 3.9501



12.1048, -1.5589, -4.0582

Square

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



12.1048, -1.9181, 3.9502



12.1048, -4.4813, -0.6428



12.1048, 0.6798, -3.9286



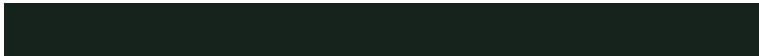
12.1048, 3.7345, 1.8304

Rectangle

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



12.1045, -1.9177, 3.9501



12.1048, -4.3723, 2.1189



12.1048, 0.6798, -3.9286



12.1048, 3.5927, -1.0092

Sweetspot

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



12.1048, -1.9181, 3.9502



15.5506, -1.4217, 2.3769



9.5595, 2.5179, 1.5342



9.1802, -0.8295, 1.3780



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.



12.1048, -1.9181, 3.9502



15.3022, -2.8032, 5.9732



11.7258, -3.2991, 3.5802



6.9668, -0.5411, 0.8169



26.9506, -7.2405, 16.4801



75.8989, -20.3915, 46.4116

Inverse Universe

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



8.9755, 1.2367, -3.9529



10.1947, 2.4379, -7.1640



9.3764, 2.5277, -3.2768



6.5940, -0.1729, -0.1049



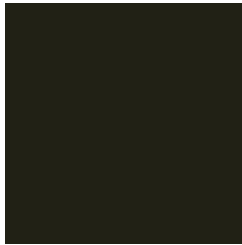
7.5185, 20.3934, -53.4183



21.1734, 57.4323, -150.4421

Previews

White Background



This preview shows how the HunterLab color 12.1045, -1.9177, 3.9501 looks on a white background.

Color Contrast Check

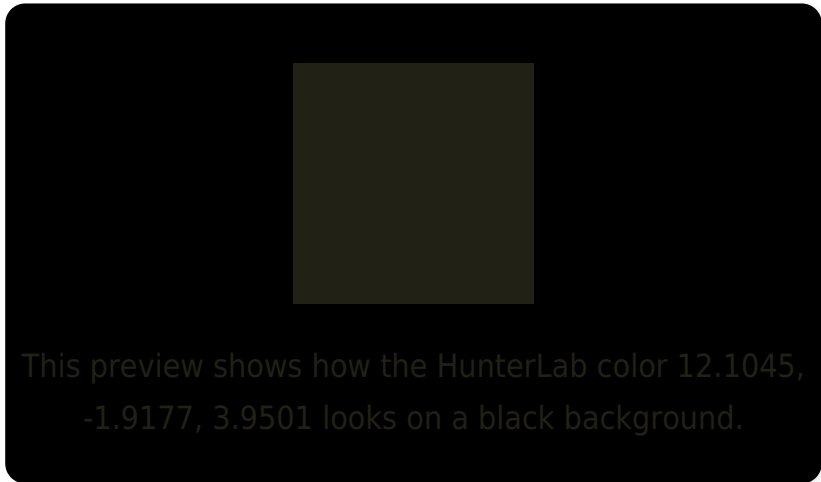
Large Text (above 18pt) WCAG AA ✓ Pass

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

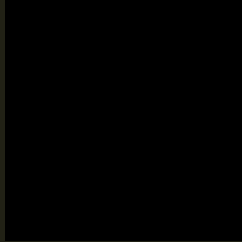
Any Text WCAG AA × Fail

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 12.1045, -1.9177, 3.9501 Background



This preview shows how black text looks on a background with the HunterLab color 12.1045, -1.9177, 3.9501.

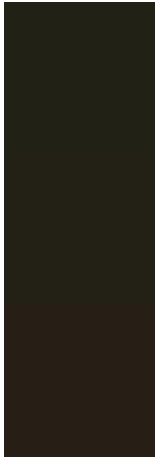


This preview shows how white text looks on a background with the HunterLab color 12.1045, -1.9177,

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

12.1045, -1.9177, 3.9501

Protanopia

12.0187, -1.0569, 3.8875

Deuteranopia

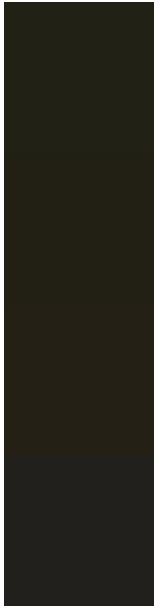
12.1056, 0.3735, 3.9912



Tritanopia

12.0532, 0.7042, -0.0049

Trichromacy



Original Color

12.1045, -1.9177, 3.9501

Protanomaly

11.9467, -1.3104, 3.8176

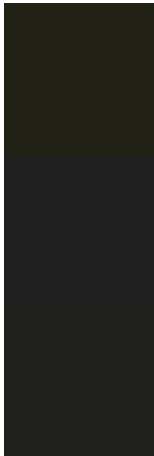
Deuteranomaly

12.1675, -0.5374, 4.0311

Tritanomaly

12.0905, -0.5194, 1.7408

Monochromacy



Original Color

12.1045, -1.9177, 3.9501

Achromatopsia

12.0183, -0.6413, 0.6530

Achromatomaly

11.9329, -1.1106, 1.8750

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 12.1045, -1.9177, 3.9501 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(33, 33, 21)` looks like.

```
.text, #text, p{  
    color:rgb(33, 33, 21)  
}
```

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(33, 33, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 33, 21) }
```

Border

The CSS property to change the border of an element to HunterLab 12.1045, -1.9177, 3.9501 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(33, 33, 21) }
```


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

```
.border{ border-color:rgb(33, 33, 21) }
```

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

Here you see how a box with a 4 pixel rgb(33, 33, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 33, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 33, 21);  
box-shadow:4px 4px 4px 4px rgb(33, 33, 21)  
}
```

Background

The CSS property to change the background color of an element to HunterLab 12.1045, -1.9177, 3.9501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 33, 21) }
```

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

```
.background{ background-color: rgb(33, 33,  
21) }
```

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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