

Converting Colors

HunterLab(10.1015, 31.5226,
7.0711)

Have a look what the booklet for
HunterLab(10.1015, 31.5226,
7.0711) contains.

HunterLab(12.5610, 21.5111, 8.1166)	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(12.5610, 21.5111,
8.1166)**

Conversions

Conversions Part 1

Format	Color
Hex	4D0000
RGB	77, 0, 0
RGB Percent	30%, 0%, 0%
CMY	0.6980, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.70
HSL	0°, 100%, 15%
HSV	0°, 100%, 30%
XYZ	3.0606, 1.5778, 0.1432
YIQ	23.0230, 45.8920, 16.3240

Conversions

Conversions Part 2

Format	Color
R_{YB}	77, 0, 0
Decimal	5046272
CIE _{Lab}	13.09, 33.66, 20.53
CIE _{LCh}	13, 39.428, 31.376
Yxy	1.5779, 0.6401, 0.3300
Android (android.graphics.Color)	4283236352 (0xFF4D0000)
YUV	23.0230, -11.3503, 47.3378
Hunter-Lab	12.5610, 21.5111, 8.1166

Details

The HunterLab color **12.5610, 21.5111, 8.1166** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **24.1720, -12.8138, -2.5514**, and the grayscale version is **9.2874, -0.4956, 0.5046**.

A 20% lighter version of the original color is **27.6712, 24.4810, 11.7172**, and **2.5403, 4.3503, 1.6415** is the 20% darker color. If you saturate the color by 10%, you get **12.5614, 21.5095, 8.1168**, and if you desaturate by 10%, it is **13.2737, 19.6203, 7.5350**.

Distribution



Red (30%)

Green (0%)

Blue (0%)



Red (30%)

Yellow (0%)

Blue (0%)



Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (70%)



Cyan (70%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 12.5610, 21.5111, 8.1166 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 12.5610, 21.5111, 8.1166 by changing the saturation by 10% instead.

■ 12.5610, 21.5111,
8.1166

■ 12.5610, 21.5111,
8.1166

■ 104.0286, 31.4917,
23.8580

■ 5.8534, 25.9205,
4.0974

■ 27.5339, 24.5566,
11.5483

0.0000, INF, NaN

0.0000, NaN, NaN

■ 36.3612, 25.8908,
13.5009

0.0000, NaN, NaN

■ 45.9708, 27.0933,
15.3524

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 56.3035, 28.1745,
17.1324

0.0000, NaN, NaN


■ 67.3120, 29.1456,
18.8610


0.0000, NaN, NaN


■ 78.9569, 30.0165,


0.0000, NaN, NaN


20.5518


 91.2052, 30.7960,
22.2150


 12.5610, 21.5111,
8.1166


 12.5610, 21.5111,
8.1166


 12.5614, 21.5095,
8.1168

 13.2737, 19.6203,
7.5350

 14.0235, 17.7973,
6.9782

 15.0232, 15.5884,
6.3102

 16.2646, 13.1325,
5.5767

 17.7188, 10.5761,
4.8249

■ 19.3557, 8.0194,
4.0862

■ 21.1480, 5.5200,
3.3778

■ 23.0721, 3.1046,
2.7071

■ 25.1088, 0.7809,
2.0752

Harmonies

Analogous

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



12.5614, 26.4020, 1.1342



12.5610, 21.5111, 8.1166



12.5614, 10.4819, 8.7930

Triad

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



12.5614, 21.5094, 8.1168



12.5614, -14.4083, 7.5757



12.5614, -0.1847, -37.3872

Complementary

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



12.5610, 21.5111, 8.1166



24.1720, -12.8138, -2.5514

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.



12.5614, -8.9230, -30.3440



12.5610, 21.5111, 8.1166



12.5614, -16.0761, 0.2159

Square

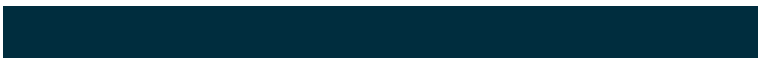
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.5614, 21.5094, 8.1168



12.5614, -9.5168, 8.7930



12.5614, -14.0799, -13.9017



12.5614, 11.6012, -29.0475

Rectangle

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



12.5610, 21.5111, 8.1166



12.5614, 2.4876, 8.7930



12.5614, -14.0799, -13.9017



12.5614, -3.5453, -36.7186

Sweetspot

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



12.5614, 21.5094, 8.1168



27.2910, 7.5388, 4.4982



14.5382, 28.5825, -19.1750



13.7095, 4.2450, 2.4132



66.9319, -3.5713, 3.6365



18.1947, -0.9708, 0.9886

Same Dimension

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



12.5614, 21.5094, 8.1168



16.3652, 28.0237, 10.5748



17.3095, 8.5831, 10.8163



13.0511, 0.2438, 1.0243



16.8075, 28.7812, 10.8606



40.9154, 70.0668, 26.4385

Inverse Universe

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



24.1720, -12.8138, -2.5514



31.4919, -16.6942, -3.3242



13.9794, 1.6962, -21.1346



13.7519, -1.6260, 0.4480



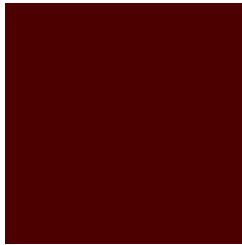
32.3431, -17.1454, -3.4140



78.7353, -41.7382, -8.3115

Previews

White Background



This preview shows how the HunterLab color 12.5610, 21.5111, 8.1166 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

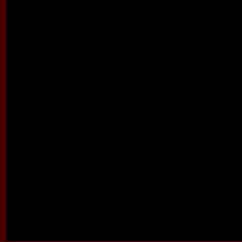
Any Text WCAG AA × Fail

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 12.5610, 21.5111, 8.1166 Background



This preview shows how black text looks on a background with the HunterLab color 12.5610, 21.5111, 8.1166.

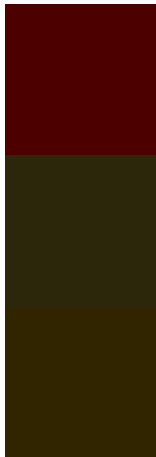


This preview shows how white text looks on a background with the HunterLab color 12.5610, 21.5111, 8.1166.

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

12.5610, 21.5111, 8.1166

Protanopia

14.1719, -1.8897, 7.4982

Deuteranopia

14.0574, -0.1164, 8.6601



Tritanopia

12.9941, 19.2472, 8.3438

Trichromacy



Original Color

12.5610, 21.5111, 8.1166

Protanomaly

12.4465, 7.0646, 6.9724

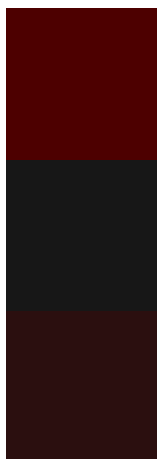
Deuteranomaly

12.5820, 8.2033, 7.8966

Tritanomaly

12.7410, 20.0678, 8.2023

Monochromacy



Original Color

12.5610, 21.5111, 8.1166

Achromatopsia

9.2564, -0.4939, 0.5029

Achromatomaly

9.4325, 7.2105, 3.0978

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 12.5610, 21.5111, 8.1166 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(77, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 0, 0)  
}
```

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(77, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 0, 0) }
```

Border

The CSS property to change the border of an element to HunterLab 12.5610, 21.5111, 8.1166 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(77, 0, 0) }
```


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

```
.border{ border-color:rgb(77, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(77, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(77, 0, 0); box-shadow:4px  
4px 4px 4px rgb(77, 0, 0) }
```

Background

The CSS property to change the background color of an element to HunterLab 12.5610, 21.5111, 8.1166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 0, 0) }
```

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

```
.background{ background-color: rgb(77, 0,  
0) }
```

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