

Converting Colors

HunterLab(21.1568, -13.9026,
12.1012)

Have a look what the booklet for
HunterLab(21.1568, -13.9026,
12.1012) contains.

HunterLab(21.1596, -13.8844, 12.0712)	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(21.1596,
-13.8844, 12.0712)**

Conversions

Conversions Part 1

Format	Color
Hex	214409
RGB	33, 68, 9
RGB Percent	13%, 27%, 4%
CMY	0.8706, 0.7333, 0.9647
CMYK	0.51, 0.00, 0.87, 0.73
HSL	96°, 77%, 15%
HSV	96°, 87%, 27%
XYZ	2.7436, 4.4773, 0.9780
YIQ	50.8090, -1.9210, -25.7690

Conversions

Conversions Part 2

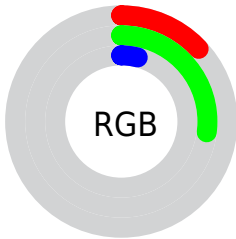
Format	Color
R_YB	9, 68, 44
Decimal	2180105
CIE Lab	25.19, -24.17, 29.44
CIE LCh	25, 38.091, 129.379
Yxy	4.4775, 0.3346, 0.5461
Android (android.graphics.Color)	4280370185 (0xFF214409)
YUV	50.8090, -20.6118, -15.6185
Hunter-Lab	21.1596, -13.8844, 12.0712

Details

The HunterLab color $[21.1596, -13.8844, 12.0712]$ is a dark color, and the websafe version is hex 003300 . A complement of this color would be $[10.7161, 17.5595, -23.3485]$, and the grayscale version is $[18.1984, -0.9710, 0.9888]$.

A 20% lighter version of the original color is $[38.4733, -18.3585, 17.6199]$, and $[8.8536, -7.5920, 5.3226]$ is the 20% darker color. If you saturate the color by 10%, you get $[20.9761, -14.7106, 12.4891]$, and if you desaturate by 10%, it is $[21.3663, -12.9678, 11.5999]$.

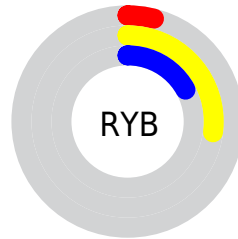
Distribution



Red (13%)

Green (27%)

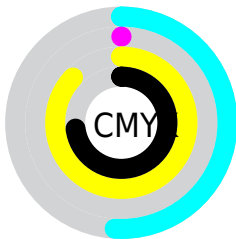
Blue (4%)



Red (4%)

Yellow (27%)

Blue (17%)

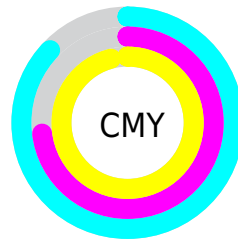


Cyan (51%)

Magenta (0%)

Yellow (87%)

Black (73%)



Cyan (87%)

Magenta (73%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 21.1596, -13.8844, 12.0712 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 21.1596, -13.8844, 12.0712 by changing the saturation by 10% instead.

■ 21.1596, -13.8844,
12.0712

■ 21.1596, -13.8844,
12.0712

■ 120.2733,
-31.4836, 33.0918

■ 13.9430, -11.3456,
9.7601

■ 38.3129, -18.3266,
17.5516

■ 7.5807, -13.2663,
5.3065

■ 48.0785, -20.3621,
20.0233

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 58.5565, -22.3202,
22.3749

0.0000, NaN, NaN

■ 69.7013, -24.2211,
24.6347

0.0000, NaN, NaN

■ 81.4753, -26.0788,
26.8228


0.0000, NaN, NaN


0.0000, NaN, NaN


■ 93.8464, -27.9036,


28.9545


0.0000, NaN, NaN


 106.7871,
-29.7033, 31.0412


 21.1596, -13.8844,
12.0712


 21.1596, -13.8844,
12.0712


 20.9761, -14.7106,
12.4891


 21.3663, -12.9678,
11.5999

 20.9201, -14.9648,
12.6289

 21.6045, -11.9051,
10.9364

 21.8754, -10.6960,
10.0705

 22.1797, -9.3433,
8.9982

 22.5175, -7.8514,
7.7191

■ 22.8887, -6.2266,
6.2357

■ 23.2929, -4.4761,
4.5531

■ 23.7298, -2.6081,
2.6785

■ 24.1985, -0.6313,
0.6202

Harmonies

Analogous

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



21.1601, -4.7656, 13.6658



21.1596, -13.8844, 12.0712



21.1601, -18.7040, 7.5226

Triad

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



21.1601, -13.8848, 12.0713



21.1601, -8.6683, -31.4745



21.1601, 26.8326, 4.4298

Complementary

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



21.1596, -13.8844, 12.0712



10.7161, 17.5595, -23.3485

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.



21.1601, 25.1281, -8.1434



21.1596, -13.8844, 12.0712



21.1601, 2.7685, -34.0343

Square

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



21.1601, -13.8848, 12.0713



21.1601, -16.1921, -18.0769



21.1601, 15.6152, -23.8548



21.1601, 19.8552, 10.8899

Rectangle

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



21.1596, -13.8844, 12.0712



21.1601, -19.6325, 1.3886



21.1601, 15.6152, -23.8548



21.1601, 27.2852, 0.9123

Sweetspot

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



21.1601, -13.8848, 12.0713



30.1592, -8.2852, 8.2924



17.3409, 3.7508, 9.8672



15.6542, -4.4884, 4.4802



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.



21.1601, -13.8848, 12.0713



27.5081, -20.0330, 16.5997



20.5524, -16.3503, 11.1878



12.1783, -1.5119, 1.5515



29.9506, -21.9117, 18.0718



74.6757, -56.3319, 45.0287

Inverse Universe

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



10.7161, 17.5595, -23.3485



12.1694, 26.8018, -38.3473



13.3576, 21.8090, -12.3160



11.5532, 0.2727, -0.3168



13.2115, 29.1434, -41.9927



32.2496, 71.9834, -109.0420

Previews

White Background



This preview shows how the HunterLab color 21.1596, -13.8844, 12.0712 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

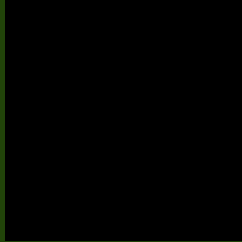
Any Text WCAG AA × Fail

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 21.1596, -13.8844, 12.0712 Background



This preview shows how black text looks on a background with the HunterLab color 21.1596, -13.8844, 12.0712.



This preview shows how white text looks on a background with the HunterLab color 21.1596,

-13.8844, 12.0712.

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

21.1596, -13.8844, 12.0712

Protanopia

21.0669, -3.2847, 12.4389

Deuteranopia

21.1176, 0.7288, 11.6490



Tritanopia

21.1296, -5.0799, -2.4146

Trichromacy



Original Color

21.1596, -13.8844, 12.0712

Protanomaly

20.9346, -7.7186, 12.1954

Deuteranomaly

20.8019, -5.4702, 11.6370

Tritanomaly

21.0171, -9.2614, 5.2018

Monochromacy



Original Color

21.1596, -13.8844, 12.0712

Achromatopsia

18.1947, -0.9708, 0.9886

Achromatomaly

18.9449, -6.5809, 6.3351

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 21.1596, -13.8844, 12.0712 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, 68, 9)` looks like.

```
.text, #text, p{  
    color:rgb(33, 68, 9)  
}
```

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, 68, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 68, 9) }
```

Border

The CSS property to change the border of an element to HunterLab 21.1596, -13.8844, 12.0712 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, 68, 9) }
```


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

```
.border{ border-color:rgb(33, 68, 9) }
```

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

Here you see how a box with a 4 pixel rgb(33, 68, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 68, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(33, 68, 9); box-shadow:4px  
4px 4px 4px rgb(33, 68, 9) }
```

Background

The CSS property to change the background color of an element to HunterLab 21.1596, -13.8844, 12.0712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 68, 9) }
```

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

```
.background{ background-color: rgb(33, 68,  
9) }
```

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