

Converting Colors

HunterLab(16.4899, -10.8508,
5.3433)

Have a look what the booklet for
HunterLab(16.4899, -10.8508,
5.3433) contains.

HunterLab(16.5024, -10.7934, 5.3223)	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(16.5024,
-10.7934, 5.3223)**

Conversions

Conversions Part 1

Format	Color
Hex	0C351F
RGB	12, 53, 31
RGB Percent	5%, 21%, 12%
CMY	0.9529, 0.7922, 0.8784
CMYK	0.77, 0.00, 0.42, 0.79
HSL	148°, 63%, 13%
HSV	148°, 77%, 21%
XYZ	1.6720, 2.7233, 1.7338
YIQ	38.2330, -17.3740, -15.5340

Conversions

Conversions Part 2

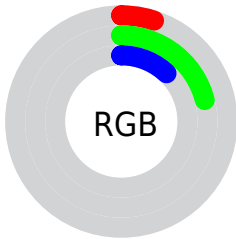
Format	Color
R_{YB}	12, 40, 53
Decimal	800031
CIE _{Lab}	18.90, -20.39, 9.86
CIE _{LCh}	19, 22.648, 154.205
Y _{xy}	2.7234, 0.2728, 0.4443
Android (android.graphics.Color)	4278990111 (0xFF0C351F)
YUV	38.2330, -3.5659, -23.0063
Hunter-Lab	16.5024, -10.7934, 5.3223

Details

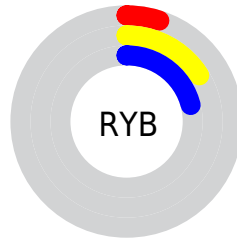
The HunterLab color **16.5024, -10.7934, 5.3223** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10.6554, 12.9891, -1.6281**, and the grayscale version is **14.0123, -0.7477, 0.7613**.

A 20% lighter version of the original color is **32.5315, -14.7317, 7.6559**, and 0.0000, NaN, NaN is the 20% darker color. If you saturate the color by 10%, you get **16.3528, -11.4962, 5.8563**, and if you desaturate by 10%, it is **16.6819, -9.9733, 4.7676**.

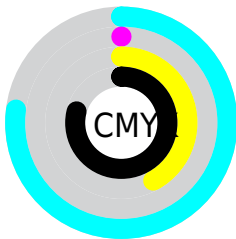
Distribution



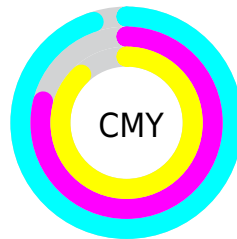
- Red (5%)
- Green (21%)
- Blue (12%)



- Red (5%)
- Yellow (16%)
- Blue (21%)



- Cyan (77%)
- Magenta (0%)
- Yellow (42%)
- Black (79%)



- Cyan (95%)
- Magenta (79%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 16.5024, -10.7934, 5.3223 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 16.5024, -10.7934, 5.3223 by changing the saturation by 10% instead.

■ 16.5024, -10.7934,
5.3223

■ 16.5024, -10.7934,
5.3223

■ 111.7270,
-26.7012, 15.5381

■ 9.9453, -9.5301,
4.6736

■ 32.5593, -14.8241,
7.6779

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 41.8488, -16.6574,
8.8061

0.0000, NaN, NaN

■ 51.8845, -18.4197,
9.9225

0.0000, NaN, NaN

■ 62.6147, -20.1316,
11.0355

0.0000, NaN, NaN

0.0000, NaN, NaN


■ 73.9970, -21.8070,
12.1504


0.0000, NaN, NaN


■ 85.9959, -23.4559,


0.0000, NaN, NaN


13.2708


 98.5813, -25.0854,
14.3995


 16.5024, -10.7934,
5.3223


 16.5024, -10.7934,
5.3223


 16.3528, -11.4962,
5.8563


 16.6819, -9.9733,
4.7676


 16.2077, -12.1789,
6.3444

 16.8979, -9.0099,
4.2031

 16.1698, -12.3574,
6.4654

 17.1517, -7.9063,
3.6342

 17.4437, -6.6686,
3.0660

 17.7739, -5.3045,
2.5034

■ 18.1420, -3.8235,
1.9506

■ 18.5472, -2.2362,
1.4114

■ 18.9888, -0.5535,
0.8889

■ 19.4656, 1.2136,
0.3857

Harmonies

Analogous

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



16.5027, -7.4057, 8.0716



16.5024, -10.7934, 5.3223



16.5027, -11.6944, -0.0084

Triad

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



16.5027, -10.7936, 5.3224



16.5027, 0.0561, -16.1659



16.5027, 10.9333, 6.3309

Complementary

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



16.5024, -10.7934, 5.3223



10.6554, 12.9891, -1.6281

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.



16.5027, 13.7188, 1.7563



16.5024, -10.7934, 5.3223



16.5027, 6.8462, -12.4689

Square

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



16.5027, -10.7936, 5.3224



16.5027, -6.0316, -14.0178



16.5027, 12.1175, -5.2406



16.5027, 4.9898, 8.4887

Rectangle

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



16.5024, -10.7934, 5.3223



16.5027, -10.9042, -4.8342



16.5027, 12.1175, -5.2406



16.5027, 12.3090, 5.1085

Sweetspot

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



16.5027, -10.7936, 5.3224



23.0761, -6.2487, 3.0002



17.0949, -8.8499, 9.1725



12.4694, -3.5130, 1.6741



60.6009, -3.2335, 3.2926



13.1868, -0.7036, 0.7165

Same Dimension

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



16.5027, -10.7936, 5.3224



20.9458, -15.5622, 8.2444



16.9206, -8.2883, -0.6734



9.8229, -1.2559, 0.7715



27.1091, -21.1046, 11.6747



71.0110, -56.2229, 32.6115

Inverse Universe

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



10.6554, 12.9891, -1.6281



12.2964, 20.0721, -1.4013



10.2553, 11.2832, 4.1044



9.4402, 0.2505, 0.2843



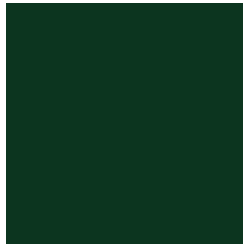
15.3256, 27.6320, -0.8450



39.9769, 71.6336, 1.2437

Previews

White Background



This preview shows how the HunterLab color 16.5024, -10.7934, 5.3223 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

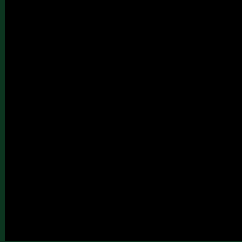
Any Text WCAG AA × Fail

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 16.5024, -10.7934, 5.3223 Background



This preview shows how black text looks on a background with the HunterLab color 16.5024, -10.7934, 5.3223.



This preview shows how white text looks on a background with the HunterLab color 16.5024,

-10.7934, 5.3223.

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

16.5024, -10.7934, 5.3223

Protanopia

16.4801, -1.7406, 6.1721

Deuteranopia

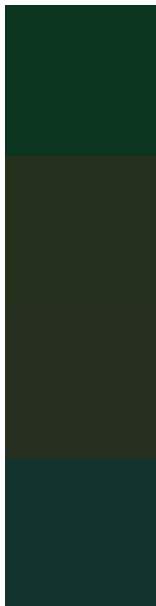
16.5027, 0.8734, 5.0148



Tritanopia

16.4867, -5.7111, -2.4919

Trichromacy



Original Color

16.5024, -10.7934, 5.3223

Protanomaly

16.3107, -6.1350, 5.7179

Deuteranomaly

16.0270, -4.5035, 4.7417

Tritanomaly

16.4119, -7.7686, 0.6392

Monochromacy



Original Color

16.5024, -10.7934, 5.3223

Achromatopsia

13.9221, -0.7428, 0.7564

Achromatomaly

14.5269, -4.8535, 2.3766

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 16.5024, -10.7934, 5.3223 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(12, 53, 31)` looks like.

```
.text, #text, p{  
    color:rgb(12, 53, 31)  
}
```

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(12, 53, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 53, 31) }
```

Border

The CSS property to change the border of an element to HunterLab 16.5024, -10.7934, 5.3223 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(12, 53, 31) }
```


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

```
.border{ border-color:rgb(12, 53, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 53, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 53, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 53, 31);  
box-shadow:4px 4px 4px 4px rgb(12, 53, 31)  
}
```

Background

The CSS property to change the background color of an element to HunterLab 16.5024, -10.7934, 5.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 53, 31) }
```

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

```
.background{ background-color: rgb(12, 53,  
31) }
```

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