

Converting Colors

HunterLab(13.1632, 4.5026,
0.0463)

Have a look what the booklet for
HunterLab(13.1632, 4.5026, 0.0463)
contains.

HunterLab(13.2223, 4.6541, 0.0064)	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(13.2223, 4.6541,
0.0064)**

Conversions

Conversions Part 1

Format	Color
Hex	301F26
RGB	48, 31, 38
RGB Percent	19%, 12%, 15%
CMY	0.8118, 0.8784, 0.8510
CMYK	0.00, 0.35, 0.21, 0.81
HSL	335°, 22%, 15%
HSV	335°, 35%, 19%
XYZ	2.0588, 1.7483, 2.0627
YIQ	36.8810, 7.8850, 5.7810

Conversions

Conversions Part 2

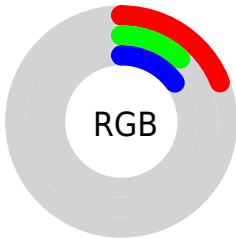
Format	Color
R_{YB}	48, 31, 38
Decimal	3153702
CIE _{Lab}	14.11, 9.61, -1.41
CIE _{LCh}	14, 9.709, 351.668
Yxy	1.7484, 0.3507, 0.2979
Android (android.graphics.Color)	4281343782 (0xFF301F26)
YUV	36.8810, 0.5517, 9.7514
Hunter-Lab	13.2223, 4.6541, 0.0064

Details

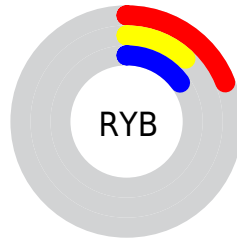
The HunterLab color **13.2223, 4.6541, 0.0064** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16.0167, -5.4911, 2.0072**, and the grayscale version is **13.5603, -0.7235, 0.7368**.

A 20% lighter version of the original color is **28.3485, 5.1299, 0.4422**, and 0.0000, NaN, NaN is the 20% darker color. If you saturate the color by 10%, you get **12.2414, 6.2652, -0.1155**, and if you desaturate by 10%, it is **14.2724, 3.0505, 0.2000**.

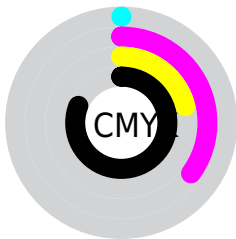
Distribution



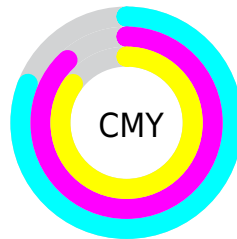
- Red (19%)
- Green (12%)
- Blue (15%)



- Red (19%)
- Yellow (12%)
- Blue (15%)



- Cyan (0%)
- Magenta (35%)
- Yellow (21%)
- Black (81%)



- Cyan (81%)
- Magenta (88%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 13.2223, 4.6541, 0.0064 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 13.2223, 4.6541, 0.0064 by changing the saturation by 10% instead.

■ 13.2223, 4.6541,
0.0064

■ 13.2223, 4.6541,
0.0064

105.3577, 4.5091,
4.3391

■ 6.7430, 5.8478,
-0.4979

■ 28.3898, 5.2009,
0.6352

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 37.2994, 5.3113,
1.0362

0.0000, NaN, NaN

■ 46.9847, 5.3370,
1.4860

0.0000, NaN, NaN

■ 57.3878, 5.2895,
1.9800

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 68.4623, 5.1770,
2.5149

0.0000, NaN, NaN

■ 80.1697, 5.0062,

0.0000, NaN, NaN

3.0879

92.4775, 4.7822,
3.6966

13.2223, 4.6541,
0.0064

13.2223, 4.6541,
0.0064

12.2414, 6.2652,
-0.1155

14.2724, 3.0505,
0.2000

11.3393, 7.8627,
-0.1524

15.3819, 1.4684,
0.4524

10.5280, 9.4097,
-0.0892

16.5437, -0.0871,
0.7536

9.8199, 10.8527,
0.0877

17.7514, -1.6142,
1.0954

9.1969, 12.2144,
0.3514

18.9998, -3.1136,
1.4711

■ 8.5471, 13.8362,
0.5678

■ 20.2845, -4.5876,
1.8754

■ 8.2344, 14.7048,
0.6453

■ 21.6021, -6.0385,
2.3040

■ 22.9493, -7.4693,
2.7536

■ 24.3237, -8.8827,
3.2215

Harmonies

Analogous

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



13.2226, 3.4798, -2.6089



13.2223, 4.6541, 0.0064



13.2226, 4.3060, 2.3689

Triad

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



13.2226, 4.6536, 0.0067



13.2226, -2.5144, 4.4421



13.2226, -3.6864, -3.6157

Complementary

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



13.2223, 4.6541, 0.0064



16.0167, -5.4911, 2.0072

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.



13.2226, -5.0677, -1.1737



13.2223, 4.6541, 0.0064



13.2226, -4.4286, 3.3591

Square

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



13.2226, 4.6536, 0.0067



13.2226, 0.0314, 4.6360



13.2226, -5.3285, 1.3952



13.2226, -1.4280, -4.9506

Rectangle

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



13.2223, 4.6541, 0.0064



13.2226, 3.2692, 3.5245



13.2226, -5.3285, 1.3952



13.2226, -4.2612, -2.8769

Sweetspot

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



13.2226, 4.6536, 0.0067



19.9459, 1.0919, 0.7098



12.8964, 4.2095, -4.8355



10.6624, 0.5788, 0.3802



58.5142, -3.1222, 3.1792



11.5809, -0.6179, 0.6292

Same Dimension

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



13.2226, 4.6536, 0.0067



15.5814, 7.6416, -0.1317



13.3529, 3.2895, 2.5292



8.7276, 0.1697, 0.3606



14.6197, 25.8953, 2.7910



38.7737, 68.2266, 10.9048

Inverse Universe

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



13.2226, 4.6536, 0.0067



15.5814, 7.6416, -0.1317



15.8260, -4.0260, -0.7946



8.7276, 0.1697, 0.3606



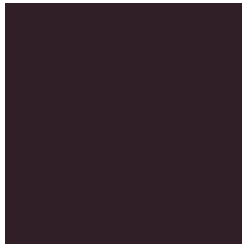
14.6197, 25.8953, 2.7910



38.7737, 68.2266, 10.9048

Previews

White Background



This preview shows how the HunterLab color 13.2223, 4.6541, 0.0064 looks on a white background.

Color Contrast Check

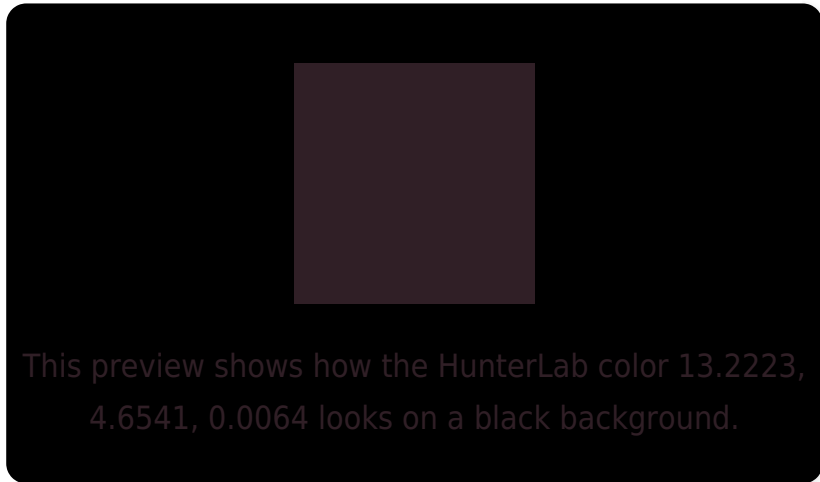
Large Text (above 18pt) WCAG AA ✓ Pass

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

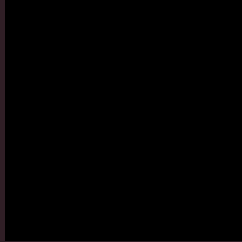
Any Text WCAG AA × Fail

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 13.2223, 4.6541, 0.0064 Background



This preview shows how black text looks on a background with the HunterLab color 13.2223, 4.6541, 0.0064.



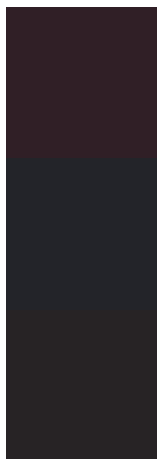
This preview shows how white text looks on a background with the HunterLab color 13.2223, 4.6541,

0.0064.

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

13.2223, 4.6541, 0.0064

Protanopia

13.3386, -0.2681, -1.1104

Deuteranopia

13.2927, 0.5282, 0.3934



Tritanopia

13.3300, 3.7777, 1.5488

Trichromacy



Original Color

13.2223, 4.6541, 0.0064

Protanomaly

13.2226, 1.5661, -0.8264

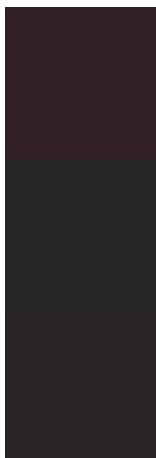
Deuteranomaly

13.3036, 1.6857, 0.4268

Tritanomaly

13.3520, 3.8905, 1.2346

Monochromacy



Original Color

13.2223, 4.6541, 0.0064

Achromatopsia

13.6016, -0.7257, 0.7390

Achromatomaly

13.4427, 1.0330, 0.5817

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 13.2223, 4.6541, 0.0064 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(48, 31, 38)` looks like.

```
.text, #text, p{  
    color:rgb(48, 31, 38)  
}
```

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(48, 31, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 31, 38) }
```

Border

The CSS property to change the border of an element to HunterLab 13.2223, 4.6541, 0.0064 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(48, 31, 38) }
```


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

```
.border{ border-color:rgb(48, 31, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 31, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 31, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 31, 38);  
box-shadow:4px 4px 4px 4px rgb(48, 31, 38)  
}
```

Background

The CSS property to change the background color of an element to HunterLab 13.2223, 4.6541, 0.0064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 31, 38) }
```

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

```
.background{ background-color: rgb(48, 31,  
38) }
```

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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