

# Converting Colors

HunterLab(28.9614, 5.5271,  
6.3734)

Have a look what the booklet for  
HunterLab(28.9614, 5.5271, 6.3734)  
contains.

<b>HunterLab(29.0230, 5.4119, 6.4768)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(29.0230, 5.4119,  
6.4768)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	664C45
RGB	102, 76, 69
RGB Percent	40%, 30%, 27%
CMY	0.6000, 0.7019, 0.7294
CMYK	0.00, 0.25, 0.32, 0.60
HSL	13°, 19%, 34%
HSV	13°, 32%, 40%
XYZ	9.1381, 8.4233, 6.7745
YIQ	82.9760, 17.7430, 3.3350

# Conversions

## Conversions Part 2

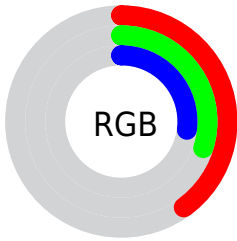
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 78, 69
Decimal	6704197
CIE Lab	34.85, 9.88, 8.42
CIE LCh	35, 12.980, 40.455
Yxy	8.4237, 0.3755, 0.3461
Android (android.graphics.Color)	4284894277 (0xFF664C45)
YUV	82.9760, -6.8902, 16.6840
Hunter-Lab	29.0230, 5.4119, 6.4768




# Details

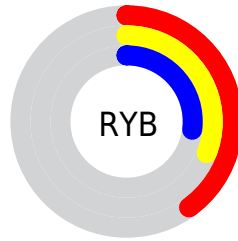
The HunterLab color  $[29.0230, 5.4119, 6.4768]$  is a dark color, and the websafe version is hex  $663333$ . A complement of this color would be  $[32.2624, -6.9708, -3.3433]$ , and the grayscale version is  $[29.4225, -1.5699, 1.5986]$ .




A 20% lighter version of the original color is  $[47.7720, 5.5928, 8.6475]$ , and  $[13.7545, 4.7953, 4.3468]$  is the 20% darker color. If you saturate the color by 10%, you get  $[26.9606, 7.9626, 7.7126]$ , and if you desaturate by 10%, it is  $[31.2071, 2.9945, 5.1555]$ .

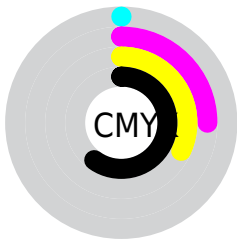
# Distribution







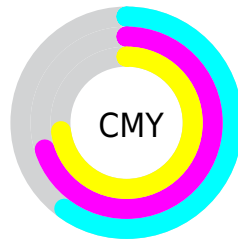
-  Red (40%)
-  Green (30%)
-  Blue (27%)






-  Red (40%)
-  Yellow (31%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (25%)
-  Yellow (32%)
-  Black (60%)



-  Cyan (60%)
-  Magenta (70%)
-  Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 29.0230, 5.4119, 6.4768 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 29.0230, 5.4119, 6.4768 by changing the saturation by 10% instead.



■ 29.0230, 5.4119,  
6.4768

■ 29.0230, 5.4119,  
6.4768

■ 133.7979, 4.1133,  
15.9613

■ 20.8980, 5.1909,  
5.4214

■ 47.7337, 5.5646,  
8.5424

■ 13.7152, 4.8468,  
4.3215

■ 58.1882, 5.5257,  
9.5727

■ 7.3277, 5.4817,  
5.1294

■ 69.3110, 5.4217,  
10.6089

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 81.0641, 5.2592,  
11.6542

0.0000, NaN, NaN

■ 93.4153, 5.0432,  
12.7108

0.0000, NaN, NaN

106.3370, 4.7780,

0.0000, NaN, NaN

119.8050, 4.4671,  
14.8635

■ 29.0230, 5.4119,  
6.4768

■ 29.0230, 5.4119,  
6.4768

■ 26.9606, 7.9626,  
7.7126

■ 31.2071, 2.9945,  
5.1555

■ 25.0354, 10.6445,  
8.8358

■ 33.4962, 0.7097,  
3.7670

■ 23.2680, 13.4354,  
9.8135

■ 35.8784, -1.4528,  
2.3259

■ 21.6807, 16.2902,  
10.6059

■ 38.3433, -3.5043,  
0.8428

■ 20.2968, 19.1318,  
11.1700

■ 40.8821, -5.4566,  
-0.6747

■ 19.1374, 21.8437,  
11.4808

■ 43.4875, -7.3213,  
-2.2212

■ 18.3986, 23.6818,  
11.7517

■ 46.1533, -9.1090,  
-3.7924

■ 48.8741, -10.8291,  
-5.3856

■ 51.6455, -12.4902,  
-6.9985

# Harmonies

## Analogous

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



29.0237, 7.5632, 3.0496



29.0230, 5.4119, 6.4768



29.0237, 1.4348, 8.3788

# Triad

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



29.0237, 5.4108, 6.4773



29.0237, -9.3425, 4.2283



29.0237, 0.0543, -7.8529

# Complementary

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



29.0230, 5.4119, 6.4768



32.2624, -6.9708, -3.3433

# 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.



29.0237, -4.4193, -7.4073



29.0230, 5.4119, 6.4768



29.0237, -9.6616, 0.0289

# Square

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



29.0237, 5.4108, 6.4773



29.0237, -7.0109, 7.2254



29.0237, -7.9112, -4.3549



29.0237, 4.3468, -5.4924



# Rectangle

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



29.0230, 5.4119, 6.4768



29.0237, -1.6195, 8.7301



29.0237, -7.9112, -4.3549



29.0237, -1.4808, -8.0343

# Sweetspot

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



29.0237, 5.4108, 6.4773



45.0011, 0.3355, 4.5996



28.1330, 12.2585, -5.4683



21.7090, 0.3018, 2.3238



73.3645, -3.9145, 3.9860



23.4461, -1.2510, 1.2739



# Same Dimension

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



29.0237, 5.4108, 6.4773



36.2992, 9.7747, 9.8600



33.0547, -1.7408, 10.2386



17.1227, -0.0227, 1.6362



20.7259, 27.2138, 13.2477



46.1785, 65.7083, 29.6053



# Inverse Universe

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



32.2624, -6.9708, -3.3433



41.5383, -10.3674, -6.0528



27.9324, -0.0499, -9.4714



17.5833, -1.7690, 0.2429



29.3467, -10.1769, -14.7118



66.0461, -21.9009, -35.2742



# Previews

## White Background



This preview shows how the HunterLab color 29.0230, 5.4119, 6.4768 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

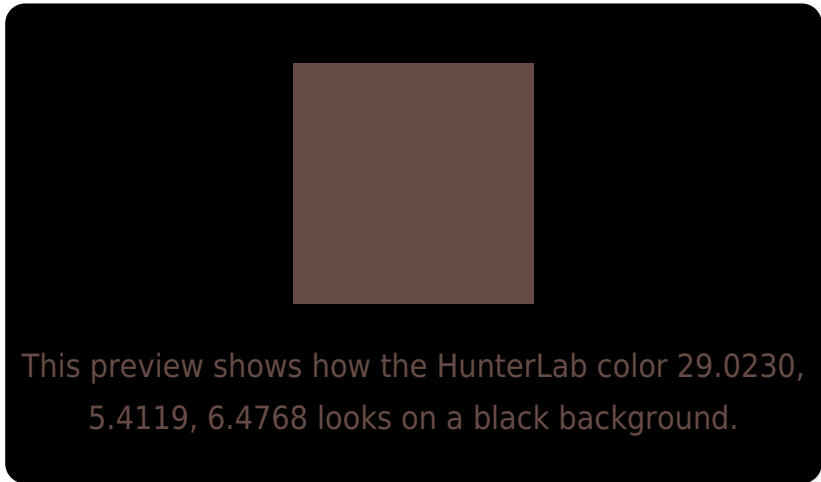
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

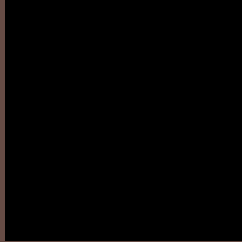
Any Text WCAG AA × Fail

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 29.0230, 5.4119, 6.4768 Background



This preview shows how black text looks on a background with the HunterLab color 29.0230, 5.4119, 6.4768.



This preview shows how white text looks on a background with the HunterLab color 29.0230, 5.4119,



# 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

29.0230, 5.4119, 6.4768

### Protanopia

29.1220, -1.7767, 5.4317

### Deuteranopia

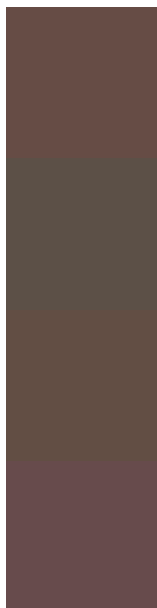
29.0555, 1.7325, 6.7746



## Tritanopia

28.9142, 7.9877, 2.3942

# Trichromacy



## Original Color

29.0230, 5.4119, 6.4768

## Protanomaly

29.0991, 0.7244, 5.7973

## Deuteranomaly

29.0909, 3.1165, 6.8342

## Tritanomaly

29.0474, 7.0179, 4.0655

# Monochromacy



## Original Color

29.0230, 5.4119, 6.4768

## Achromatopsia

29.4110, -1.5693, 1.5980

## Achromatomaly

29.0879, 1.0133, 3.2500

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 29.0230, 5.4119, 6.4768 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(102, 76, 69)` looks like.

```
.text, #text, p{  
    color:rgb(102, 76, 69)  
}
```

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(102, 76, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 76, 69) }
```

## Border

The CSS property to change the border of an element to HunterLab 29.0230, 5.4119, 6.4768 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(102, 76, 69) }
```



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

```
.border{ border-color:rgb(102, 76, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 76, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 76, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 76, 69);  
box-shadow:4px 4px 4px 4px rgb(102, 76,  
69) }
```

# Background

The CSS property to change the background color of an element to HunterLab 29.0230, 5.4119, 6.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 76, 69) }
```

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

```
.background{ background-color: rgb(102, 76,  
69) }
```

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