

# Converting Colors

HunterLab(17.0631, -5.3493,  
1.9346)

Have a look what the booklet for  
HunterLab(17.0631, -5.3493, 1.9346)  
contains.

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# Color

**HunterLab(17.0717, -5.2978,  
1.8046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23332D
RGB	35, 51, 45
RGB Percent	14%, 20%, 18%
CMY	0.8627, 0.8000, 0.8235
CMYK	0.31, 0.00, 0.12, 0.80
HSL	157°, 19%, 17%
HSV	157°, 31%, 20%
XYZ	2.3506, 2.9144, 2.9213
YIQ	45.5320, -7.6100, -5.2580

# Conversions

## Conversions Part 2

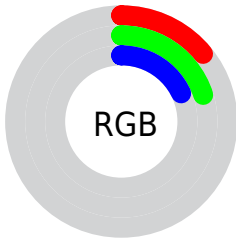
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 45, 51
Decimal	2306861
CIE Lab	19.70, -8.20, 1.68
CIE LCh	20, 8.366, 168.449
Yxy	2.9145, 0.2871, 0.3560
Android (android.graphics.Color)	4280496941 (0xFF23332D)
YUV	45.5320, -0.2623, -9.2366
Hunter-Lab	17.0717, -5.2978, 1.8046

# Details

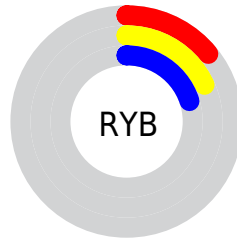
The HunterLab color **17.0717, -5.2978, 1.8046** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **14.3736, 4.2358, 0.2775**, and the grayscale version is **16.3774, -0.8739, 0.8898**.

A 20% lighter version of the original color is **33.1816, -7.1172, 2.6365**, and 0.0000, NaN, NaN is the 20% darker color. If you saturate the color by 10%, you get **16.7849, -6.4663, 2.1266**, and if you desaturate by 10%, it is **17.3937, -4.0218, 1.5117**.

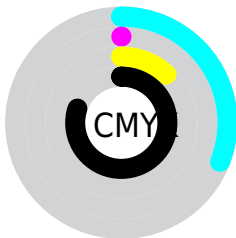
# Distribution



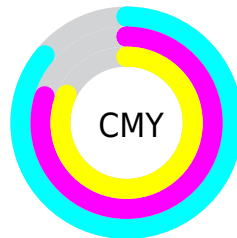
- Red (14%)
- Green (20%)
- Blue (18%)



- Red (14%)
- Yellow (18%)
- Blue (20%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)
- Black (80%)



- Cyan (86%)
- Magenta (80%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 17.0717, -5.2978, 1.8046 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 17.0717, -5.2978, 1.8046 by changing the saturation by 10% instead.



■ 17.0717, -5.2978,  
1.8046

■ 17.0717, -5.2978,  
1.8046

112.7996,  
-14.5790, 7.8154

■ 10.4273, -4.2035,  
1.3025

■ 33.2718, -7.3633,  
2.9155

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 42.6231, -8.3755,  
3.5228

0.0000, NaN, NaN

■ 52.7161, -9.3876,  
4.1630

0.0000, NaN, NaN

■ 63.4997, -10.4049,  
4.8349

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 74.9324, -11.4307,  
5.5371

0.0000, NaN, NaN

■ 86.9792, -12.4674,

0.0000, NaN, NaN

6.2687

99.6102, -13.5165,  
7.0284

17.0717, -5.2978,  
1.8046

17.0717, -5.2978,  
1.8046

16.7849, -6.4663,  
2.1266

17.3937, -4.0218,  
1.5117

16.5324, -7.5196,  
2.4746

17.7496, -2.6458,  
1.2490

16.3143, -8.4523,  
2.8459

18.1390, -1.1789,  
1.0178

16.1300, -9.2612,  
3.2371

18.5612, 0.3697,  
0.8188

15.9782, -9.9456,  
3.6441

19.0151, 1.9908,  
0.6522

■ 15.8396, -10.5801,  
4.0439

■ 19.4997, 3.6755,  
0.5175

■ 15.7206, -11.1276,  
4.3720

■ 20.0138, 5.4155,  
0.4143

■ 20.5562, 7.2029,  
0.3415

■ 21.1255, 9.0306,  
0.2982

# Harmonies

## Analogous

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



17.0721, -4.3053, 3.6493



17.0717, -5.2978, 1.8046



17.0721, -5.1660, -0.5549

# Triad

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



17.0721, -5.2981, 1.8048



17.0721, 0.6090, -3.9069



17.0721, 2.3359, 3.9619

# Complementary

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



17.0717, -5.2978, 1.8046



14.3736, 4.2358, 0.2775

# 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.



17.0721, 3.8045, 2.2911



17.0717, -5.2978, 1.8046



17.0721, 2.7693, -2.3282

# Square

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



17.0721, -5.2981, 1.8048



17.0721, -1.8475, -4.0859



17.0721, 3.9675, 0.0048



17.0721, 0.0444, 4.7719



# Rectangle

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



17.0717, -5.2978, 1.8046



17.0721, -4.4562, -2.1079



17.0721, 3.9675, 0.0048



17.0721, 2.9476, 3.4942

# Sweetspot

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



17.0721, -5.2981, 1.8048



22.9641, -3.0585, 1.5496



17.2142, -5.1652, 5.0401



12.1152, -1.6525, 0.8245



59.5560, -3.1778, 3.2358



12.3795, -0.6605, 0.6726



# Same Dimension

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



17.0721, -5.2981, 1.8048



21.6774, -8.1328, 2.6808



16.7459, -3.7798, -0.8369



9.8318, -1.2069, 0.6453



27.3309, -19.7349, 8.4406



71.5956, -52.6054, 24.0717



# Inverse Universe

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



14.3736, 4.2358, 0.2775



17.3119, 7.3531, 0.2455



14.6290, 2.7822, 2.6183



9.4311, 0.2012, 0.4143



14.9957, 26.4305, 3.8765



39.1303, 68.5410, 13.4314



# Previews

## White Background



This preview shows how the HunterLab color 17.0717, -5.2978, 1.8046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

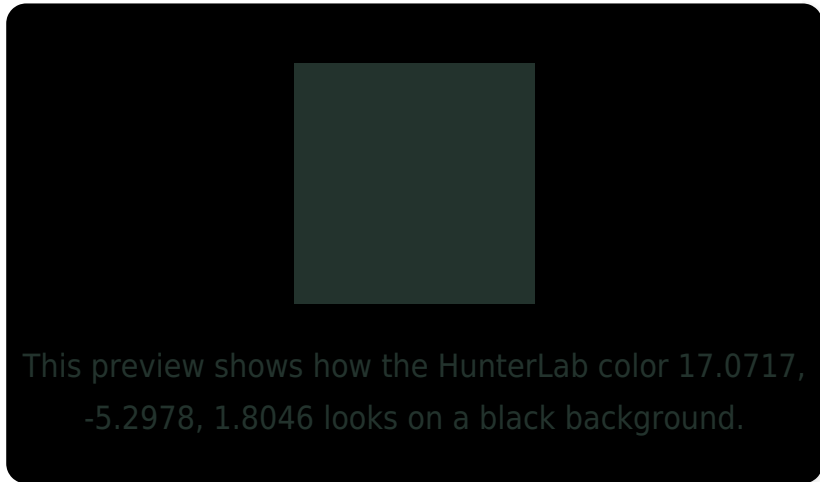
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

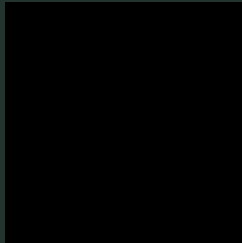
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

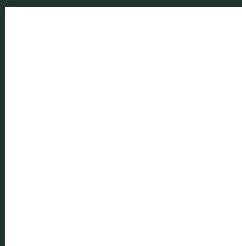
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

## HunterLab 17.0717, -5.2978, 1.8046 Background



This preview shows how black text looks on a background with the HunterLab color 17.0717, -5.2978, 1.8046.



This preview shows how white text looks on a background with the HunterLab color 17.0717, -5.2978, 1.8046.



# 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

17.0717, -5.2978, 1.8046

### Protanopia

16.9128, -0.8987, 2.3937

### Deuteranopia

17.0532, 0.9130, 1.5375



**Tritanopia**

17.1489, -3.2662, -1.5564

# Trichromacy



## Original Color

17.0717, -5.2978, 1.8046

## Protanomaly

16.8262, -2.3915, 1.9300

## Deuteranomaly

17.0059, -1.6636, 1.4382

## Tritanomaly

17.0155, -3.9110, -0.4968

# Monochromacy



## Original Color

17.0717, -5.2978, 1.8046

## Achromatopsia

16.5290, -0.8819, 0.8981

## Achromatomaly

16.7434, -2.5959, 1.1188

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 17.0717, -5.2978, 1.8046 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(35, 51, 45)` looks like.

```
.text, #text, p{  
    color:rgb(35, 51, 45)  
}
```

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(35, 51, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 51, 45) }
```

## Border

The CSS property to change the border of an element to HunterLab 17.0717, -5.2978, 1.8046 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(35, 51, 45) }
```



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

```
.border{ border-color:rgb(35, 51, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 51, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 51, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 51, 45);  
box-shadow:4px 4px 4px 4px rgb(35, 51, 45)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 17.0717, -5.2978, 1.8046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 51, 45) }
```

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

```
.background{ background-color: rgb(35, 51,  
45) }
```

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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