

# Converting Colors

HunterLab(48.7074, 12.0258,  
-48.0343)

Have a look what the booklet for  
HunterLab(48.7074, 12.0258,  
-48.0343) contains.

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# Color

**HunterLab(48.7074, 12.0258,  
-48.0343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6F80D7
RGB	111, 128, 215
RGB Percent	44%, 50%, 84%
CMY	0.5647, 0.4980, 0.1569
CMYK	0.48, 0.40, 0.00, 0.16
HSL	230°, 57%, 64%
HSV	230°, 48%, 84%
XYZ	26.5404, 23.7241, 67.4703
YIQ	132.8350, -38.0590, 23.4530

# Conversions

## Conversions Part 2

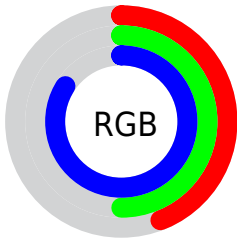
Format	Color
R <sub>Y</sub> B	111, 126, 215
Decimal	7307479
CIE Lab	55.81, 17.28, -46.70
CIE LCh	56, 49.792, 290.307
Yxy	23.7249, 0.2254, 0.2015
Android (android.graphics.Color)	4285497559 (0xFF6F80D7)
YUV	132.8350, 40.5073, -19.1493
Hunter-Lab	48.7074, 12.0258, -48.0343

# Details

The HunterLab color  $48.7074, 12.0258, -48.0343$  is a light color, and the websafe version is hex  $6699FF$ . A complement of this color would be  $74.8229, -9.0609, 34.0290$ , and the grayscale version is  $48.2220, -2.5730, 2.6200$ .

A 20% lighter version of the original color is  $69.7084, 7.8934, -37.3758$ , and  $29.8109, 11.3568, -47.5770$  is the 20% darker color. If you saturate the color by 10%, you get  $42.6737, 17.3944, -62.7239$ , and if you desaturate by 10%, it is  $55.1422, 7.5334, -35.0160$ .

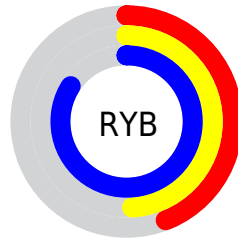
# Distribution



Red (44%)

Green (50%)

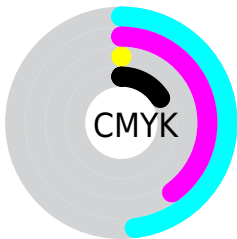
Blue (84%)



Red (44%)

Yellow (49%)

Blue (84%)

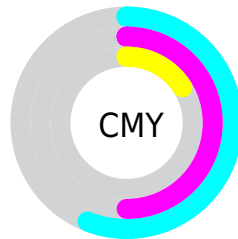


Cyan (48%)

Magenta (40%)

Yellow (0%)

Black (16%)



Cyan (56%)

Magenta (50%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 48.7074, 12.0258, -48.0343 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 48.7074, 12.0258, -48.0343 by changing the saturation by 10% instead.



■ 48.7074, 12.0258,  
-48.0343

■ 48.7074, 12.0258,  
-48.0343

164.7504, 12.4954,  
-53.8771

■ 38.8969, 11.6141,  
-47.4673

■ 70.4137, 12.5821,  
-49.4308

■ 29.8504, 11.0950,  
-47.1464

■ 82.2256, 12.7456,  
-50.1565

■ 21.6398, 10.4501,  
-47.3531

■ 94.6328, 12.8425,  
-50.8662

■ 14.3610, 9.6545,  
-48.7814

107.6080, 12.8783,  
-51.5471

■ 8.0209, 9.2909,  
-54.6624

121.1273, 12.8579,  
-52.1920

0.0000, NaN, -NF

0.0000, NaN, -NF

135.1697, 12.7851,

-52.7966

0.0000, NaN, -NF

149.7164, 12.6633,  
-53.3586

0.0000, NaN, NaN

■ 48.7074, 12.0258,  
-48.0343

■ 48.7074, 12.0258,  
-48.0343

■ 42.6737, 17.3944,  
-62.7239

■ 55.1422, 7.5334,  
-35.0160

■ 37.1414, 23.8153,  
-79.3254

■ 61.9019, 3.7397,  
-23.3686

■ 32.2526, 31.3731,  
-97.7618

■ 68.9335, 0.4964,  
-12.8112

■ 28.1904, 39.8447,  
-117.1472

■ 76.1977, -2.3135,  
-3.1127

■ 25.1391, 48.3492,  
-135.2905

■ 83.6644, -4.7802,  
5.9096

■ 24.7318, 49.6145,  
-138.0161

■ 91.3106, -6.9727,  
14.3979

■ 98.4831, -11.1835,  
21.7842

■ 98.8364, -11.7483,  
22.1303

# Harmonies

## Analogous

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



48.7082, -9.1356, -51.5263



48.7074, 12.0258, -48.0343



48.7082, 32.0403, -28.3334

# Triad

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



48.7082, 12.0260, -48.0330



48.7082, 25.5748, 23.7413



48.7082, -36.0082, 8.6157

# Complementary

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



48.7074, 12.0258, -48.0343



74.8229, -9.0609, 34.0290

# 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.



48.7082, -29.6466, 21.1900



48.7074, 12.0258, -48.0343



48.7082, 4.2962, 27.1812

# Square

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



48.7082, 12.0260, -48.0330



48.7082, 40.7257, 14.0653



48.7082, -15.6838, 26.4981



48.7082, -34.6439, -12.4379



# Rectangle

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



48.7074, 12.0258, -48.0343



48.7082, 40.9196, -11.9430



48.7082, -15.6838, 26.4981



48.7082, -34.7493, 13.7808

# Sweetspot

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



48.7082, 12.0260, -48.0330



86.4347, -0.5486, -11.6452



74.8618, -33.2206, 3.3937



39.1282, 0.0949, -6.5719

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



48.7082, 12.0260, -48.0330



51.6314, 21.2381, -76.4544



47.2832, 29.5502, -50.9629



35.1188, -0.9481, -1.9068



19.3945, 37.3865, -104.9482



5.7516, 6.0543, -20.2586



# Inverse Universe

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



52.3217, 36.7326, 9.7408



57.8294, 55.0561, 14.4834



77.1314, -28.3619, 35.4702



35.2896, 1.4963, 2.2991



29.5374, 50.8663, 16.8957



7.3261, 12.7581, 3.0911



# Previews

## White Background



This preview shows how the HunterLab color 48.7074, 12.0258, -48.0343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

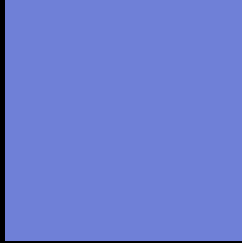
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 48.7074, 12.0258, -48.0343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

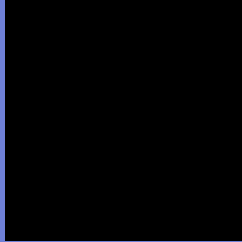
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

## HunterLab 48.7074, 12.0258, -48.0343 Background



This preview shows how black text looks on a background with the HunterLab color 48.7074, 12.0258, -48.0343.



This preview shows how white text looks on a background with the HunterLab color 48.7074, 12.0258, -48.0343.



# 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

48.7074, 12.0258, -48.0343

### Protanopia

48.8825, 8.6171, -49.3501

### Deuteranopia

48.9198, 4.1266, -46.8880



## Tritanopia

48.6055, -12.7560, -7.0345

# Trichromacy



## Original Color

48.7074, 12.0258, -48.0343

## Protanomaly

48.7921, 9.6249, -48.7095

## Deuteranomaly

48.8307, 6.7111, -47.0383

## Tritanomaly

48.3690, -4.2461, -20.6179

# Monochromacy



## Original Color

48.7074, 12.0258, -48.0343

## Achromatopsia

48.4304, -2.5841, 2.6313

## Achromatomaly

48.2047, 1.4935, -12.8890

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 48.7074, 12.0258, -48.0343 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(111, 128, 215)` looks like.

```
.text, #text, p{  
    color:rgb(111, 128, 215)  
}
```

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(111, 128, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 128, 215) }
```

## Border

The CSS property to change the border of an element to HunterLab 48.7074, 12.0258, -48.0343 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(111, 128, 215) }
```



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

```
.border{ border-color:rgb(111, 128, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 128, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 128, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 128, 215);  
box-shadow:4px 4px 4px 4px rgb(111, 128,  
215) }
```

# Background

The CSS property to change the background color of an element to HunterLab 48.7074, 12.0258, -48.0343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 128, 215) }
```

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

```
.background{ background-color: rgb(111,  
128, 215) }
```

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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