

# Converting Colors

HunterLab(48.1115, 23.3255,  
-12.5117)

Have a look what the booklet for  
HunterLab(48.1115, 23.3255,  
-12.5117) contains.

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# Color

**HunterLab(48.0770, 23.5004,  
-12.6956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A972A3
RGB	169, 114, 163
RGB Percent	66%, 45%, 64%
CMY	0.3373, 0.5529, 0.3608
CMYK	0.00, 0.33, 0.04, 0.34
HSL	307°, 24%, 55%
HSV	307°, 33%, 66%
XYZ	28.9903, 23.1140, 37.5838
YIQ	136.0310, 17.0510, 26.8990

# Conversions

## Conversions Part 2

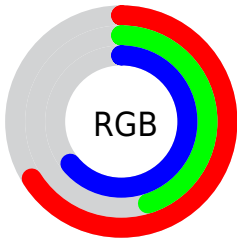
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 114, 163
Decimal	11104931
CIE <sub>Lab</sub>	55.19, 29.72, -17.55
CIE <sub>LCh</sub>	55, 34.514, 329.429
Yxy	23.1150, 0.3232, 0.2577
Android (android.graphics.Color)	4289295011 (0xFFA972A3)
YUV	136.0310, 13.2957, 28.9138
Hunter-Lab	48.0770, 23.5004, -12.6956

# Details

The HunterLab color  $48.0770, 23.5004, -12.6956$  is a light color, and the websafe version is hex  $996699$ . A complement of this color would be  $57.7149, -25.1706, 16.8674$ , and the grayscale version is  $49.5761, -2.6453, 2.6936$ .

A 20% lighter version of the original color is  $69.7904, 24.9961, -12.9079$ , and  $29.3961, 21.1930, -11.8478$  is the 20% darker color. If you saturate the color by 10%, you get  $44.2521, 31.8464, -17.4483$ , and if you desaturate by 10%, it is  $52.3000, 15.1080, -7.7794$ .

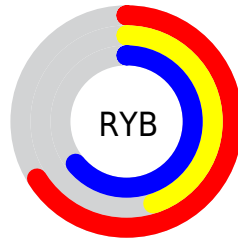
# Distribution



Red (66%)

Green (45%)

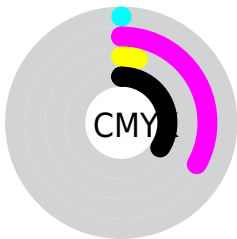
Blue (64%)



Red (66%)

Yellow (45%)

Blue (64%)

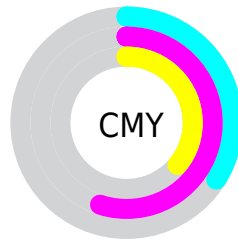


Cyan (0%)

Magenta (33%)

Yellow (4%)

Black (34%)



Cyan (34%)

Magenta (55%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 48.0770, 23.5004, -12.6956 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 48.0770, 23.5004, -12.6956 by changing the saturation by 10% instead.



48.0770, 23.5004,  
-12.6956

48.0770, 23.5004,  
-12.6956

163.8033, 28.4566,  
-12.4134

38.3125, 22.4924,  
-12.4282

69.7009, 25.1767,  
-13.0224

29.3156, 21.3572,  
-12.0908

81.4748, 25.8700,  
-13.0920

21.1597, 20.0810,  
-11.6872

93.8459, 26.4780,  
-13.1040

13.9428, 18.6637,  
-11.2454

106.7865, 27.0080,  
-13.0620

7.5804, 18.4973,  
-11.5393

120.2727, 27.4659,  
-12.9692

0.0000, INF, -NF

0.0000, NaN, NaN

134.2832, 27.8571,

-12.8285

0.0000, NaN, NaN

148.7991, 28.1860,  
-12.6425

0.0000, NaN, NaN

■ 48.0770, 23.5004,  
-12.6956

■ 48.0770, 23.5004,  
-12.6956

■ 44.2521, 31.8464,  
-17.4483

■ 52.3000, 15.1080,  
-7.7794

■ 40.8857, 39.9149,  
-21.8804

■ 56.8613, 6.8114,  
-2.8066

■ 38.0450, 47.3510,  
-25.7667

■ 61.7137, -1.3226,  
2.1635

■ 35.7888, 53.7014,  
-28.8380

■ 66.8174, -9.2688,  
7.0988

■ 34.1534, 58.4988,  
-30.8378

■ 72.1396, -17.0271,  
11.9853

■ 33.1329, 61.4220,  
-31.6179

■ 77.6535, -24.6101,  
16.8194

■ 32.6425, 62.7025,  
-31.6300

■ 83.3372, -32.0364,  
21.6032

■ 89.1726, -39.3261,  
26.3414

■ 91.2326, -41.6400,  
27.5668

# Harmonies

## Analogous

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



48.0781, 11.7169, -26.2273



48.0770, 23.5004, -12.6956



48.0781, 28.1656, 2.3556

# Triad

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



48.0781, 23.4988, -12.6944



48.0781, -2.2935, 22.1265



48.0781, -24.2681, -12.1069

# Complementary

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



48.0770, 23.5004, -12.6956



57.7149, -25.1706, 16.8674

# 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.



48.0781, -27.1106, 2.8770



48.0770, 23.5004, -12.6956



48.0781, -15.3579, 20.2919

# Square

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



48.0781, 23.4988, -12.6944



48.0781, 12.2465, 20.1427



48.0781, -24.0448, 14.1197



48.0781, -15.7808, -25.8242



# Rectangle

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



48.0770, 23.5004, -12.6956



48.0781, 26.2386, 10.5372



48.0781, -24.0448, 14.1197



48.0781, -25.8681, -6.9324

# Sweetspot

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



48.0781, 23.4988, -12.6944



77.5966, 6.5210, -2.1815



43.4256, 9.7349, -24.3205



35.8269, 3.7320, -1.4361



92.0917, -4.9138, 5.0035



39.3538, -2.0998, 2.1382



# Same Dimension

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



48.0781, 23.4988, -12.6944



60.6183, 39.4621, -21.5734



47.1681, 18.9679, 0.1169



27.6628, 1.9607, -0.5608



28.1888, 54.1610, -27.4192



4.4407, 8.6012, -4.8539



# Inverse Universe

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



48.0781, 23.4988, -12.6944



60.6183, 39.4621, -21.5734



58.3614, -21.4036, 7.5435



27.6628, 1.9607, -0.5608



28.1888, 54.1610, -27.4192



4.4407, 8.6012, -4.8539



# Previews

## White Background



This preview shows how the HunterLab color 48.0770, 23.5004, -12.6956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

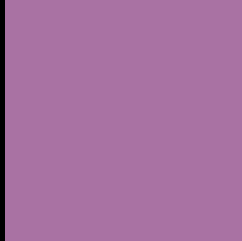
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 48.0770, 23.5004, -12.6956 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 48.0770, 23.5004, -12.6956 Background



This preview shows how black text looks on a background with the HunterLab color 48.0770, 23.5004, -12.6956.



This preview shows how white text looks on a background with the HunterLab color 48.0770, 23.5004, -12.6956.

-12.6956.

# 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

48.0770, 23.5004, -12.6956

### Protanopia

48.2916, 2.7218, -19.9896

### Deuteranopia

48.3827, 3.2970, -10.8843



## Tritanopia

48.0041, 13.6490, 3.7347

# Trichromacy



## Original Color

48.0770, 23.5004, -12.6956

## Protanomaly

47.9696, 9.6970, -17.8920

## Deuteranomaly

47.9669, 10.2731, -11.9409

## Tritanomaly

47.9759, 16.8219, -1.7693

# Monochromacy



## Original Color

48.0770, 23.5004, -12.6956

## Achromatopsia

49.6187, -2.6475, 2.6959

## Achromatomaly

48.7950, 6.5024, -2.8620

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 48.0770, 23.5004, -12.6956 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(169, 114, 163)` looks like.

```
.text, #text, p{  
    color:rgb(169, 114, 163)  
}
```

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(169, 114, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 114, 163) }
```

## Border

The CSS property to change the border of an element to HunterLab 48.0770, 23.5004, -12.6956 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(169, 114, 163) }
```



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

```
.border{ border-color:rgb(169, 114, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 114, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 114, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 114, 163);  
box-shadow:4px 4px 4px 4px rgb(169, 114,  
163) }
```

# Background

The CSS property to change the background color of an element to HunterLab 48.0770, 23.5004, -12.6956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 114, 163) }
```

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

```
.background{ background-color: rgb(169,  
114, 163) }
```

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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