

# Converting Colors

YUV(116.8150, 24.2482,  
15.9482)

Have a look what the booklet for  
YUV(116.8150, 24.2482, 15.9482)  
contains.

<b>YUV(116.8150, 24.2482, 15.9482)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(116.8150, 24.2482,  
15.9482)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8762A6
RGB	135, 98, 166
RGB Percent	53%, 38%, 65%
CMY	0.4706, 0.6157, 0.3490
CMYK	0.19, 0.41, 0.00, 0.35
HSL	273°, 28%, 52%
HSV	273°, 41%, 65%
XYZ	21.2423, 16.6394, 38.1685
YIQ	116.8150, 0.2240, 28.9920

# Conversions

## Conversions Part 2

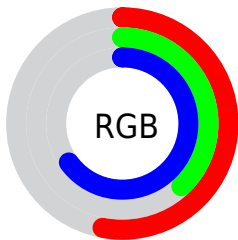
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	135, 98, 166
Decimal	8872614
CIE Lab	47.80, 28.42, -31.02
CIE LCh	48, 42.066, 312.499
Yxy	16.6394, 0.2793, 0.2188
Android (android.graphics.Color)	4287062694 (0xFF8762A6)
YUV	116.8150, 24.2482, 15.9482
Hunter-Lab	40.7915, 21.5694, -26.9236

# Details

The YUV color **116.8150, 24.2482, 15.9482** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **147.1850, -24.2482, -15.9482**, and the grayscale version is **117.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **169.1680, 25.5532, 17.3927**, and **67.4620, 22.9432, 14.5038** is the 20% darker color. If you saturate the color by 10%, you get **104.4440, 30.3471, 19.7816**, and if you desaturate by 10%, it is **129.1860, 18.1493, 12.1149**.

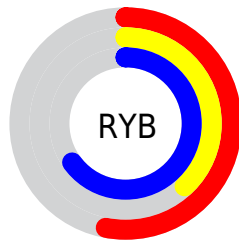
# Distribution



Red (53%)

Green (38%)

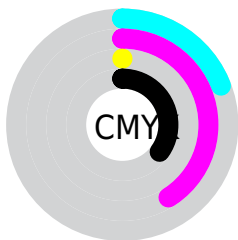
Blue (65%)



Red (53%)

Yellow (38%)

Blue (65%)

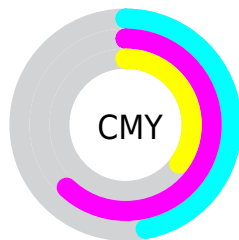


Cyan (19%)

Magenta (41%)

Yellow (0%)

Black (35%)



Cyan (47%)

Magenta (62%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 116.8150, 24.2482, 15.9482 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 YUV color 116.8150, 24.2482, 15.9482 by changing the saturation by 10% instead.



■ 116.8150, 24.2482,  
15.9482

■ 116.8150, 24.2482,  
15.9482

255.0000, 0.0000,  
0.0000

■ 91.8750, 23.2326,  
15.0186

■ 169.1680, 25.5532,  
17.3927

■ 67.4620, 22.9432,  
14.5038

■ 196.9940, 26.1320,  
18.4223

■ 44.2230, 22.0751,  
12.9594

■ 222.3720, 16.0856,  
20.7218

■ 21.3970, 21.4963,  
11.9298

■ 241.4990, 6.6560,  
11.8404

■ 8.4900, 17.0134,  
3.0783

■ 2.9810, 8.8834,  
-2.6143

■ 0.0000, 0.0000,

0.0000

■ 116.8150, 24.2482,  
15.9482

■ 116.8150, 24.2482,  
15.9482

■ 104.4440, 30.3471,  
19.7816

■ 129.1860, 18.1493,  
12.1149

■ 92.9590, 36.0092,  
23.7150

■ 140.6710, 12.4872,  
8.1815

■ 80.5880, 42.1081,  
27.5483

■ 153.0420, 6.3883,  
4.3482

■ 69.1030, 47.7702,  
31.4817

■ 164.5270, 0.7262,  
0.4148

■ 56.7320, 53.8691,  
35.3150

■ 176.8980, -5.3727,  
-3.4185

■ 45.8340, 59.2418,  
38.7336

■ 188.9700,  
-11.3242, -7.8667

■ 200.7540,  
-17.1337, -11.1853

■ 213.1250,  
-23.2326, -15.0186

■ 224.6100,  
-28.8947, -18.9520

# Harmonies

## Analogous

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



109.9280, 36.0245, -28.0009



116.8150, 24.2482, 15.9482



116.2180, 9.7525, 45.4128

# Triad

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



116.8150, 24.2482, 15.9482



111.2130, -33.1360, 34.8932



91.4890, 17.9999, -80.2359

# Complementary

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



116.8150, 24.2482, 15.9482



147.1850, -24.2482, -15.9482

# 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.



87.5810, 1.6856, -74.1775



116.8150, 24.2482, 15.9482



108.2330, -33.6389, 9.4427

# Square

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



116.8150, 24.2482, 15.9482



112.4830, -22.4231, 52.1964



104.0210, -22.1954, -21.0664



93.9630, 32.5562, -82.4056



# Rectangle

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



116.8150, 24.2482, 15.9482



114.1240, -1.0471, 56.0193



104.0210, -22.1954, -21.0664



90.0070, 12.3215, -78.9361

# Sweetspot

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



116.8150, 24.2482, 15.9482



198.1500, 9.2931, 6.0075



124.5360, 20.4418, -23.2721



98.5150, 5.6621, 3.9333



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



116.8150, 24.2482, 15.9482



140.1270, 37.8984, 24.4446



125.8560, 18.8050, 35.2063



78.1080, 2.9048, 1.6593



40.7920, 52.8535, 34.3854



5.5690, 7.1145, 4.7630



# Inverse Universe

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



121.8660, 3.5171, 38.7055



148.1660, 5.3412, 60.3674



138.1440, -18.8050, -35.2063



78.8480, 0.5679, 4.5183



51.8900, 7.4492, 84.2885

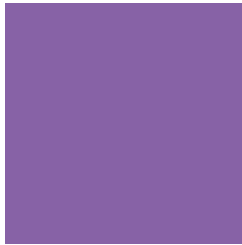


7.0060, 0.9830, 11.3957



# Previews

## White Background



This preview shows how the YUV color 116.8150, 24.2482, 15.9482 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 × Fail



# Black Background



This preview shows how the YUV color 116.8150, 24.2482, 15.9482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

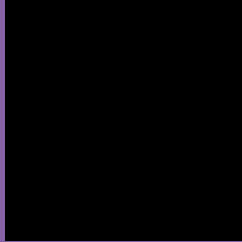
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 116.8150, 24.2482, 15.9482 Background



This preview shows how black text looks on a background with the YUV color 116.8150, 24.2482, 15.9482.



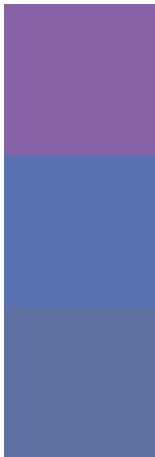
This preview shows how white text looks on a background with the YUV color 116.8150, 24.2482, 15.9482.



# 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

116.8150, 24.2482, 15.9482

### Protanopia

112.5330, 31.7822, -20.6384

### Deuteranopia

113.3180, 24.4932, -16.0649



## Tritanopia

115.2940, 0.8411, 10.2662

# Trichromacy



## Original Color

116.8150, 24.2482, 15.9482

## Protanomaly

114.2250, 28.9761, -7.2133

## Deuteranomaly

114.9820, 24.1659, -4.3692

## Tritanomaly

115.8950, 9.4188, 12.3701

# Monochromacy



## Original Color

116.8150, 24.2482, 15.9482

## Achromatopsia

117.0000, 0.0000, 0.0000

## Achromatomaly

117.0360, 8.8563, 6.1074

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 116.8150, 24.2482, 15.9482 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(135, 98, 166)` looks like.

```
.text, #text, p{  
    color:rgb(135, 98, 166)  
}
```

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(135, 98, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 98, 166) }
```

## Border

The CSS property to change the border of an element to YUV 116.8150, 24.2482, 15.9482 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(135, 98, 166) }
```



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

```
.border{ border-color:rgb(135, 98, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 98, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 98, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 98, 166); box-shadow:4px 4px 4px 4px rgb(135, 98, 166) }
```

# Background

The CSS property to change the background color of an element to YUV 116.8150, 24.2482, 15.9482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 98, 166) }
```

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

```
.background{ background-color: rgb(135, 98,  
166) }
```

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