

# Converting Colors

YUV(100.0510, 16.2439,  
16.6183)

Have a look what the booklet for  
YUV(100.0510, 16.2439, 16.6183)  
contains.

<b>YUV(100.0510, 16.2439, 16.6183)</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(100.0510, 16.2439,  
16.6183)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	775485
RGB	119, 84, 133
RGB Percent	47%, 33%, 52%
CMY	0.5333, 0.6706, 0.4784
CMYK	0.11, 0.37, 0.00, 0.48
HSL	283°, 23%, 43%
HSV	283°, 37%, 52%
XYZ	15.0117, 11.9560, 23.7068
YIQ	100.0510, 5.1310, 22.6590

# Conversions

## Conversions Part 2

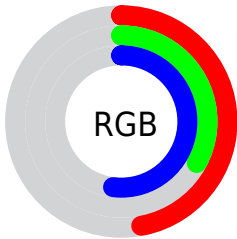
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	119, 84, 133
Decimal	7820421
CIE Lab	41.15, 23.95, -21.79
CIE LCh	41, 32.381, 317.705
Yxy	11.9560, 0.2962, 0.2359
Android (android.graphics.Color)	4286010501 (0xFF775485)
YUV	100.0510, 16.2439, 16.6183
Hunter-Lab	34.5775, 16.9845, -16.4458

# Details

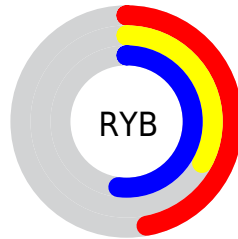
The YUV color **100.0510, 16.2439, 16.6183** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **116.9490, -16.2439, -16.6183**, and the grayscale version is **100.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **151.2900, 17.1120, 18.1627**, and **52.3990, 15.0863, 14.5591** is the 20% darker color. If you saturate the color by 10%, you get **91.2240, 20.5956, 20.8516**, and if you desaturate by 10%, it is **108.8780, 11.8921, 12.3850**.

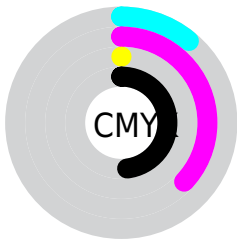
# Distribution



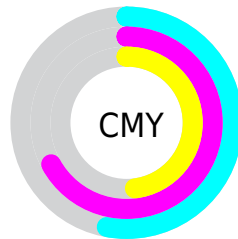
- Red (47%)
- Green (33%)
- Blue (52%)



- Red (47%)
- Yellow (33%)
- Blue (52%)



- Cyan (11%)
- Magenta (37%)
- Yellow (0%)
- Black (48%)



- Cyan (53%)
- Magenta (67%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 100.0510, 16.2439, 16.6183 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 100.0510, 16.2439, 16.6183 by changing the saturation by 10% instead.



■ 100.0510, 16.2439,  
16.6183

■ 100.0510, 16.2439,  
16.6183

■ 255.0000, 0.0000,  
0.0000

■ 75.6380, 15.9545,  
16.1035

■ 151.2900, 17.1120,  
18.1627

■ 52.3990, 15.0863,  
14.5591

■ 178.7030, 17.4014,  
18.6775

■ 29.9860, 14.7969,  
14.0443

■ 206.2300, 18.1276,  
19.0923

■ 12.7040, 12.4709,  
13.4146

■ 232.1070, 11.2862,  
20.0772

■ 2.2970, 6.2626,  
-2.0145

■ 248.5430, 3.1833,  
5.6628

■ 0.0000, 0.0000,  
0.0000

100.0510, 16.2439,  
16.6183

100.0510, 16.2439,  
16.6183

91.2240, 20.5956,  
20.8516

108.8780, 11.8921,  
12.3850

81.8100, 25.2367,  
25.5996

118.2920, 7.2510,  
7.6369

73.2820, 29.4410,  
30.4477

126.8200, 3.0467,  
2.7889

64.4550, 33.7927,  
34.6810

135.6470, -1.3050,  
-1.4444

55.6280, 38.1444,  
38.9142

145.0610, -5.9461,  
-6.1925

46.2140, 42.7855,  
43.6623


153.8880,  
-10.2978, -10.4258

43.5670, 44.0905,  
45.1067

162.7150,  
-14.6495, -14.6591

171.2430,

-18.8538, -19.5071

 180.6570,  
-23.4949, -24.2552

# Harmonies

## Analogous

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



96.5680, 25.3560, -12.7761



100.0510, 16.2439, 16.6183



99.1970, 4.8329, 36.6612

# Triad

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



100.0510, 16.2439, 16.6183



95.4980, -25.3885, 23.2423



77.9250, 16.7990, -68.3402

# Complementary

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



100.0510, 16.2439, 16.6183



116.9490, -16.2439, -16.6183

# 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.



80.8380, 2.0519, -51.6009



100.0510, 16.2439, 16.6183



93.1320, -23.7291, 4.2692

# Square

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



100.0510, 16.2439, 16.6183



96.7200, -18.5960, 37.9566



89.6820, -14.6332, -19.8921



78.9000, 28.1503, -69.1953



# Rectangle

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



100.0510, 16.2439, 16.6183



98.3520, -3.6245, 42.6643



89.6820, -14.6332, -19.8921



76.8990, 12.8678, -67.4404

# Sweetspot

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



100.0510, 16.2439, 16.6183



160.3520, 6.2355, 6.7073



98.3910, 17.0622, -12.6209



78.7600, 4.0623, 3.7185



214.0000, 0.0000, 0.0000



87.0000, 0.0000, 0.0000



# Same Dimension

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



100.0510, 16.2439, 16.6183



122.1090, 25.0893, 26.2144



103.0970, 9.8122, 26.2249



61.8800, 2.0312, 1.8592



42.6270, 43.0749, 44.1771



0.9400, 1.0156, 0.9296



# Inverse Universe

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



100.2470, -1.1078, 28.7244



122.2320, -1.5934, 44.5235



113.9030, -9.8122, -26.2249



62.0220, -0.0108, 3.4887



43.0880, -3.0014, 76.2218



1.0110, -0.0054, 1.7444



# Previews

## White Background



This preview shows how the YUV color 100.0510, 16.2439, 16.6183 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 100.0510, 16.2439, 16.6183 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 100.0510, 16.2439, 16.6183

## Background



This preview shows how black text looks on a background with the YUV color 100.0510, 16.2439, 16.6183.



This preview shows how white text looks on a background with the YUV color 100.0510, 16.2439, 16.6183.



# 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

100.0510, 16.2439, 16.6183

### Protanopia

97.0580, 22.1564, -13.2059

### Deuteranopia

97.5980, 16.4672, -8.4174



## Tritanopia

98.6750, -0.3328, 13.4400

# Trichromacy



## Original Color

100.0510, 16.2439, 16.6183

## Protanomaly

98.2550, 20.0873, -2.8546

## Deuteranomaly

98.6530, 16.4401, 0.3043

## Tritanomaly

98.9940, 5.9190, 14.9143

# Monochromacy



## Original Color

100.0510, 16.2439, 16.6183

## Achromatopsia

100.0000, 0.0000, 0.0000

## Achromatomaly

99.9390, 5.9461, 6.1925

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 100.0510, 16.2439, 16.6183 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(119, 84, 133)` looks like.

```
.text, #text, p{  
    color:rgb(119, 84, 133)  
}
```

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(119, 84, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 84, 133) }
```

## Border

The CSS property to change the border of an element to YUV 100.0510, 16.2439, 16.6183 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(119, 84, 133) }
```



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

```
.border{ border-color:rgb(119, 84, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 84, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 84, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 84, 133);  
box-shadow:4px 4px 4px 4px rgb(119, 84,  
133) }
```

# Background

The CSS property to change the background color of an element to YUV 100.0510, 16.2439, 16.6183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 84, 133) }
```

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

```
.background{ background-color: rgb(119, 84,  
133) }
```

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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