

# Converting Colors

YUV(87.4200, 16.5549, 10.1557)

Have a look what the booklet for  
YUV(87.4200, 16.5549, 10.1557)  
contains.

<b>YUV(87.4200, 16.5549, 10.1557)</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(87.4200, 16.5549,  
10.1557)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	634B79
RGB	99, 75, 121
RGB Percent	39%, 29%, 47%
CMY	0.6118, 0.7059, 0.5255
CMYK	0.18, 0.38, 0.00, 0.53
HSL	271°, 23%, 38%
HSV	271°, 38%, 47%
XYZ	11.1129, 9.0653, 19.2532
YIQ	87.4200, -0.4620, 19.3940

# Conversions

## Conversions Part 2

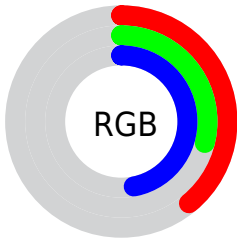
<b>Format</b>	<b>Color</b>
<b>RYB</b>	99, 75, 121
Decimal	6507385
CIELab	36.11, 19.88, -22.41
CIELCh	36, 29.960, 311.576
Yxy	9.0653, 0.2818, 0.2299
Android (android.graphics.Color)	4284697465 (0xFF634B79)
YUV	87.4200, 16.5549, 10.1557
Hunter-Lab	30.1086, 13.1929, -16.8375




# Details

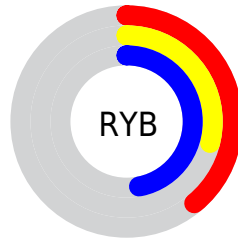
The YUV color  $87.4200, 16.5549, 10.1557$  is a dark color, and the websafe version is hex  $666699$ . A complement of this color would be  $108.5800, -16.5549, -10.1557$ , and the grayscale version is  $87.0000, 0.0000, 0.0000$ .




A 20% lighter version of the original color is  $137.7730, 17.8599, 11.6001$ , and  $41.0670, 15.2500, 8.7112$  is the 20% darker color. If you saturate the color by 10%, you get  $78.5820, 20.9121, 12.6446$ , and if you desaturate by 10%, it is  $96.2580, 12.1978, 7.6667$ .

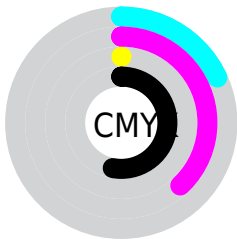
# Distribution







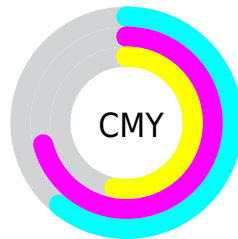
-  Red (39%)
-  Green (29%)
-  Blue (47%)






-  Red (39%)
-  Yellow (29%)
-  Blue (47%)



-  Cyan (18%)
-  Magenta (38%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (61%)
-  Magenta (71%)
-  Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 87.4200, 16.5549, 10.1557 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 87.4200, 16.5549, 10.1557 by changing the saturation by 10% instead.



■ 87.4200, 16.5549,  
10.1557

■ 87.4200, 16.5549,  
10.1557

■ 255.0000, 0.0000,  
0.0000

■ 63.8930, 15.8288,  
9.7408

■ 137.7730, 17.8599,  
11.6001

■ 41.0670, 15.2500,  
8.7112

■ 164.1860, 18.1493,  
12.1149

■ 19.5400, 14.5238,  
8.2964

■ 191.3000, 18.5861,  
12.0149

■ 3.1920, 12.2303,  
-2.7994

■ 218.7840, 17.8545,  
13.3444

■ 0.0000, 0.0000,  
0.0000

■ 242.0860, 6.3666,  
11.3256

87.4200, 16.5549,  
10.1557

87.4200, 16.5549,  
10.1557

78.5820, 20.9121,  
12.6446

96.2580, 12.1978,  
7.6667

69.7440, 25.2692,  
15.1335

105.0960, 7.8407,  
5.1778

61.2050, 29.4789,  
18.2372

113.6350, 3.6309,  
2.0741

52.3670, 33.8361,  
20.7261

122.4730, -0.7262,  
-0.4148

42.9420, 38.4826,  
23.7299

131.3110, -5.0833,  
-2.9037

34.1040, 42.8397,  
26.2188


140.7360, -9.7298,  
-5.9075

32.6310, 43.5659,  
26.6336

149.5740,  
-14.0870, -8.3964

158.1130,

-18.2967, -11.5001

 166.9510,  
-22.6538, -13.9890

# Harmonies

## Analogous

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



82.8940, 24.2093, -18.3240



87.4200, 16.5549, 10.1557



87.3210, 6.7437, 30.4135

# Triad

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



87.4200, 16.5549, 10.1557



83.7200, -22.0470, 24.8016



67.6550, 12.9881, -59.3334

# Complementary

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



87.4200, 16.5549, 10.1557



108.5800, -16.5549, -10.1557

# 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.



72.5900, -1.7699, -39.1054



87.4200, 16.5549, 10.1557



82.0830, -22.7189, 6.9432

# Square

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



87.4200, 16.5549, 10.1557



84.9200, -15.2436, 36.0272



79.1990, -15.3811, -13.3295



69.5760, 22.8870, -61.0182



# Rectangle

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



87.4200, 16.5549, 10.1557



86.4160, -0.6981, 37.3462



79.1990, -15.3811, -13.3295



66.6290, 9.0569, -58.4336

# Sweetspot

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



87.4200, 16.5549, 10.1557



145.6290, 6.0989, 3.8334



93.1580, 13.7261, -15.9246



71.6350, 3.6309, 2.0741



207.0000, 0.0000, 0.0000



79.0000, 0.0000, 0.0000



# Same Dimension

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



87.4200, 16.5549, 10.1557



104.6840, 26.2848, 16.0631



93.8840, 12.8752, 23.7807



56.5810, 2.1786, 1.2445



33.6850, 45.0183, 27.4633



68.1960, 90.6154, 55.9561



# Inverse Universe

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



91.2620, 2.8288, 26.0802



110.8170, 4.5272, 41.3795



102.1160, -12.8752, -23.7807



57.1360, 0.4260, 3.3887



44.2150, 7.7820, 70.8484



89.1420, 15.7060, 142.8265



# Previews

## White Background



This preview shows how the YUV color 87.4200, 16.5549, 10.1557 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



This preview shows how the YUV color 87.4200, 16.5549, 10.1557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

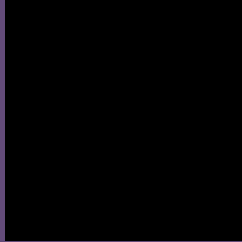
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 87.4200, 16.5549, 10.1557

## Background



This preview shows how black text looks on a background with the YUV color 87.4200, 16.5549, 10.1557.



This preview shows how white text looks on a background with the YUV color 87.4200, 16.5549,



# 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

87.4200, 16.5549, 10.1557

### Protanopia

84.8300, 21.2828, -13.0059

### Deuteranopia

84.7010, 16.9094, -10.2618



## Tritanopia

86.2720, 0.8519, 6.7775

# Trichromacy



## Original Color

87.4200, 16.5549, 10.1557

## Protanomaly

86.0160, 19.2191, -4.3990

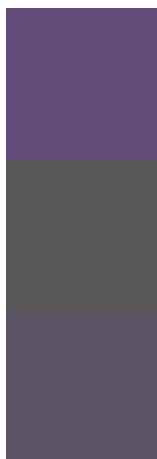
## Deuteranomaly

85.7450, 16.8877, -3.2844

## Tritanomaly

86.4770, 6.6668, 8.3517

# Monochromacy



## Original Color

87.4200, 16.5549, 10.1557

## Achromatopsia

87.0000, 0.0000, 0.0000

## Achromatomaly

87.2160, 5.8095, 3.3186

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 87.4200, 16.5549, 10.1557 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(99, 75, 121)` looks like.

```
.text, #text, p{  
    color:rgb(99, 75, 121)  
}
```

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(99, 75, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 75, 121) }
```

## Border

The CSS property to change the border of an element to YUV 87.4200, 16.5549, 10.1557 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(99, 75, 121) }
```



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

```
.border{ border-color:rgb(99, 75, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 75, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 75, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 75, 121);  
box-shadow:4px 4px 4px 4px rgb(99, 75,  
121) }
```

# Background

The CSS property to change the background color of an element to YUV 87.4200, 16.5549, 10.1557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 75, 121) }
```

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

```
.background{ background-color: rgb(99, 75,  
121) }
```

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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