

# Converting Colors

YUV(81.9240, 18.7715, -0.8103)

Have a look what the booklet for  
YUV(81.9240, 18.7715, -0.8103)  
contains.

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# Color

**YUV(81.9240, 18.7715,  
-0.8103)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	514B78
RGB	81, 75, 120
RGB Percent	32%, 29%, 47%
CMY	0.6824, 0.7059, 0.5294
CMYK	0.33, 0.37, 0.00, 0.53
HSL	248°, 23%, 38%
HSV	248°, 37%, 47%
XYZ	9.2996, 8.1376, 18.8499
YIQ	81.9240, -10.8690, 15.2670

# Conversions

## Conversions Part 2

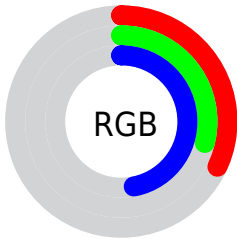
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 75, 120
Decimal	5327736
CIE <sub>Lab</sub>	34.27, 13.73, -24.80
CIE <sub>LCh</sub>	34, 28.344, 298.966
Yxy	8.1376, 0.2563, 0.2243
Android (android.graphics.Color)	4283517816 (0xFF514B78)
YUV	81.9240, 18.7715, -0.8103
Hunter-Lab	28.5264, 8.2697, -19.2096

# Details

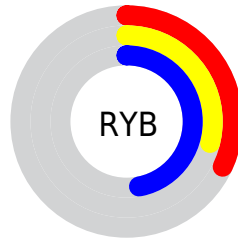
The YUV color **81.9240, 18.7715, -0.8103** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **113.0760, -18.7715, 0.8103**, and the grayscale version is **82.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **131.9780, 20.2238, 0.0193**, and **36.4570, 17.0297, -2.1548** is the 20% darker color. If you saturate the color by 10%, you get **71.8900, 23.7182, -0.7805**, and if you desaturate by 10%, it is **91.9580, 13.8247, -0.8402**.

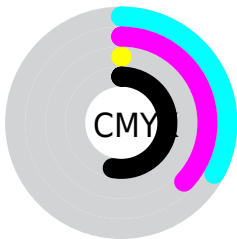
# Distribution



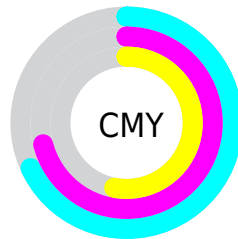
- Red (32%)
- Green (29%)
- Blue (47%)



- Red (32%)
- Yellow (29%)
- Blue (47%)



- Cyan (33%)
- Magenta (37%)
- Yellow (0%)
- Black (53%)



- Cyan (68%)
- Magenta (71%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 81.9240, 18.7715, -0.8103 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 81.9240, 18.7715, -0.8103 by changing the saturation by 10% instead.



81.9240, 18.7715,  
-0.8103

81.9240, 18.7715,  
-0.8103

255.0000, 0.0000,  
0.0000

58.3970, 18.0453,  
-1.2252

131.9780, 20.2238,  
0.0193

36.4570, 17.0297,  
-2.1548

158.0920, 20.6606,  
-0.0807

13.8700, 17.3191,  
-1.6400

184.6190, 21.3868,  
0.3341

3.6650, 11.5042,  
-3.2142

212.5050, 20.9500,  
0.4341

0.0000, 0.0000,  
0.0000

237.6120, 8.5723,  
3.8483

■ 81.9240, 18.7715,  
-0.8103

■ 81.9240, 18.7715,  
-0.8103

■ 71.8900, 23.7182,  
-0.7805

■ 91.9580, 13.8247,  
-0.8402

■ 61.5570, 28.8124,  
-1.3655

■ 102.2910, 8.7305,  
-0.2552

■ 51.5230, 33.7592,  
-1.3357

■ 112.3250, 3.7838,  
-0.2850

■ 41.1900, 38.8533,  
-1.9206

■ 122.6580, -1.3104,  
0.2999

■ 31.1560, 43.8001,  
-1.8908

■ 132.6920, -6.2572,  
0.2701

■ 21.1220, 48.7469,  
-1.8610

■ 142.7260,  
-11.2039, 0.2403

■ 18.4640, 50.0572,  
-2.1609

■ 153.0590,  
-16.2981, 0.8253

■ 163.0930,

-21.2448, 0.7954

■ 173.4260,  
-26.3390, 1.3804

# Harmonies

## Analogous

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



74.6320, 24.8314, -31.2493



81.9240, 18.7715, -0.8103



83.4770, 10.1178, 21.5067

# Triad

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



81.9240, 18.7715, -0.8103



79.9530, -18.7108, 28.1052



63.0100, 7.8831, -55.2598

# Complementary

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



81.9240, 18.7715, -0.8103



113.0760, -18.7715, 0.8103

# 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.



72.4840, -7.6336, -24.9805



81.9240, 18.7715, -0.8103



78.6540, -22.0144, 14.3354

# Square

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



81.9240, 18.7715, -0.8103



80.8860, -10.2968, 36.0570



76.5700, -18.0290, -4.0079



65.6320, 17.9294, -57.5593



# Rectangle

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



81.9240, 18.7715, -0.8103



82.5230, 3.6862, 31.1133



76.5700, -18.0290, -4.0079



66.2840, 2.3250, -45.8531

# Sweetspot

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



81.9240, 18.7715, -0.8103



140.9490, 7.4201, 0.0447



103.0230, 8.3697, -24.5762



70.4390, 4.2206, -0.3850



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.



81.9240, 18.7715, -0.8103



96.6710, 29.2492, -1.4655



88.8010, 15.3811, 13.3295



55.9830, 2.4734, 0.0149



19.3330, 52.0938, -2.0460



38.8940, 105.0613, -4.2920



# Inverse Universe

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



92.9010, 10.4018, 23.7658



113.7700, 15.8894, 37.0357



106.4980, -15.5285, -12.7147



57.3640, 1.2995, 3.1888



49.6870, 28.7483, 66.0495



100.3140, 58.5122, 133.0286



# Previews

## White Background



This preview shows how the YUV color 81.9240, 18.7715, -0.8103 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 81.9240, 18.7715, -0.8103 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 81.9240, 18.7715, -0.8103**

## **Background**



This preview shows how black text looks on a background with the YUV color 81.9240, 18.7715, -0.8103.



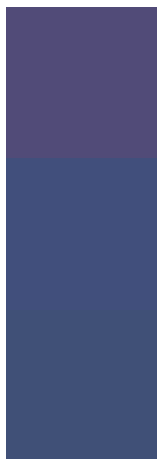
This preview shows how white text looks on a background with the YUV color 81.9240, 18.7715,

-0.8103.

# 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

81.9240, 18.7715, -0.8103

### Protanopia

79.9440, 21.7196, -13.1059

### Deuteranopia

79.6620, 19.3936, -13.7356



## Tritanopia

80.2920, 3.8000, -5.5181

# Trichromacy



## Original Color

81.9240, 18.7715, -0.8103

## Protanomaly

81.0370, 20.6878, -8.8024

## Deuteranomaly

80.2820, 19.0880, -9.0173

## Tritanomaly

80.7960, 9.4676, -3.3291

# Monochromacy



## Original Color

81.9240, 18.7715, -0.8103

## Achromatopsia

82.0000, 0.0000, 0.0000

## Achromatomaly

81.8350, 6.9833, 0.1447

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 81.9240, 18.7715, -0.8103 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(81, 75, 120)` looks like.

```
.text, #text, p{  
    color:rgb(81, 75, 120)  
}
```

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(81, 75, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 75, 120) }
```

## Border

The CSS property to change the border of an element to YUV 81.9240, 18.7715, -0.8103 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(81, 75, 120) }
```



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

```
.border{ border-color:rgb(81, 75, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 75, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 75, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 75, 120);  
box-shadow:4px 4px 4px 4px rgb(81, 75,  
120) }
```

# Background

The CSS property to change the background color of an element to YUV 81.9240, 18.7715, -0.8103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 75, 120) }
```

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

```
.background{ background-color: rgb(81, 75,  
120) }
```

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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