

# Converting Colors

YUV(80.6010, 25.3397, -7.5431)

Have a look what the booklet for  
YUV(80.6010, 25.3397, -7.5431)  
contains.

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# Color

**YUV(80.6010, 25.3397,  
-7.5431)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	484B84
RGB	72, 75, 132
RGB Percent	28%, 29%, 52%
CMY	0.7176, 0.7059, 0.4824
CMYK	0.45, 0.43, 0.00, 0.48
HSL	237°, 29%, 40%
HSV	237°, 45%, 52%
XYZ	9.3534, 8.0758, 22.8956
YIQ	80.6010, -20.0850, 17.0910

# Conversions

## Conversions Part 2

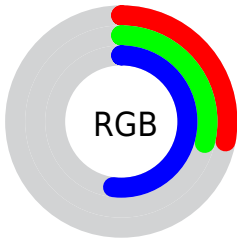
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	72, 75, 132
Decimal	4737924
CIE Lab	34.14, 14.72, -32.48
CIE LCh	34, 35.662, 294.378
Yxy	8.0758, 0.2320, 0.2003
Android (android.graphics.Color)	4282928004 (0xFF484B84)
YUV	80.6010, 25.3397, -7.5431
Hunter-Lab	28.4180, 9.0196, -27.8758

# Details

The YUV color **80.6010, 25.3397, -7.5431** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **123.3990, -25.3397, 7.5431**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **130.9540, 26.6447, -6.0987**, and **33.2260, 24.0456, -12.4762** is the 20% darker color. If you saturate the color by 10%, you get **69.0830, 31.0181, -8.8428**, and if you desaturate by 10%, it is **92.1190, 19.6613, -6.2434**.

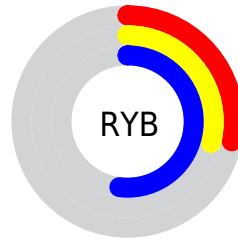
# Distribution



Red (28%)

Green (29%)

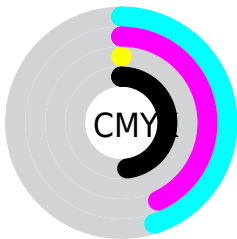
Blue (52%)



Red (28%)

Yellow (29%)

Blue (52%)

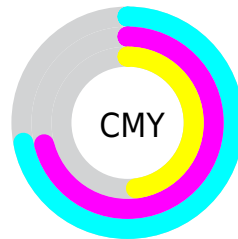


Cyan (45%)

Magenta (43%)

Yellow (0%)

Black (48%)



Cyan (72%)

Magenta (71%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 80.6010, 25.3397, -7.5431 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 80.6010, 25.3397, -7.5431 by changing the saturation by 10% instead.



■ 80.6010, 25.3397,  
-7.5431

■ 80.6010, 25.3397,  
-7.5431

■ 255.0000, 0.0000,  
0.0000

■ 56.7750, 24.7609,  
-8.5727

■ 130.9540, 26.6447,  
-6.0987

■ 33.2260, 24.0456,  
-12.4762

■ 156.5950, 27.8077,  
-5.7838

■ 12.0090, 23.1666,  
-10.5319

■ 184.1220, 28.5339,  
-5.3690

■ 5.2780, 15.1459,  
-4.6288

■ 209.8250, 22.2713,  
-3.3545

■ 1.3680, 5.2416,  
-1.1997

■ 235.5190, 9.6041,  
-0.4552

■ 0.0000, 0.0000,  
0.0000

80.6010, 25.3397,  
-7.5431

80.6010, 25.3397,  
-7.5431

69.0830, 31.0181,  
-8.8428

92.1190, 19.6613,  
-6.2434

58.1520, 36.4071,  
-10.6573

103.0500, 14.2724,  
-4.4288

46.3350, 42.2328,  
-12.5718

114.8670, 8.4466,  
-2.5144

35.4040, 47.6218,  
-14.3863

125.7980, 3.0576,  
-0.6998

23.8860, 53.3002,  
-15.6860

137.3160, -2.6208,  
0.5999


19.1570, 55.6316,  
-16.8007

148.2470, -8.0098,  
2.4144

159.7650,  
-13.6881, 3.7141

170.9950,

-19.2245, 6.1434

 182.5130,  
-24.9029, 7.4431

# Harmonies

## Analogous

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



65.5130, 35.2431, -57.4549



80.6010, 25.3397, -7.5431



82.8670, 15.3486, 23.7956

# Triad

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



80.6010, 25.3397, -7.5431



78.9110, -21.6481, 36.9121



63.6140, 5.1203, -55.7895

# Complementary

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



80.6010, 25.3397, -7.5431



123.3990, -25.3397, 7.5431

# 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.



69.7240, -11.6959, -28.6989



80.6010, 25.3397, -7.5431



77.3790, -28.2878, 19.8386

# Square

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



80.6010, 25.3397, -7.5431



79.6530, -10.1819, 45.9083



75.1590, -24.7284, -1.8934



66.9200, 17.7874, -58.6888



# Rectangle

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



80.6010, 25.3397, -7.5431



81.4790, 7.1589, 37.2909



75.1590, -24.7284, -1.8934



61.8870, 1.0417, -54.2749

# Sweetspot

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



80.6010, 25.3397, -7.5431



150.3230, 10.1938, -2.9143



113.7180, 7.5340, -36.5867



74.2970, 6.2626, -2.0145



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.



80.6010, 25.3397, -7.5431



90.6510, 39.6121, -11.9719



86.9130, 22.2279, 10.6003



60.6840, 2.6208, -0.5999



18.9290, 54.7580, -16.6007



0.3420, 1.3104, -0.2999



# Inverse Universe

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



90.2820, -7.5340, 36.5867



105.6760, -11.6723, 57.2891



117.0870, -22.2279, -10.6003



61.7940, -0.8844, 3.6887



39.6680, -16.1053, 79.2212



0.8970, -0.4422, 1.8443



# Previews

## White Background



This preview shows how the YUV color 80.6010, 25.3397, -7.5431 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 80.6010, 25.3397, -7.5431 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

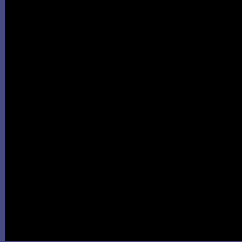
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 80.6010, 25.3397, -7.5431

## Background



This preview shows how black text looks on a background with the YUV color 80.6010, 25.3397, -7.5431.



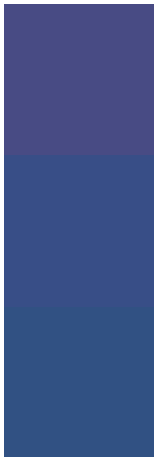
This preview shows how white text looks on a background with the YUV color 80.6010, 25.3397,

-7.5431.

# 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

80.6010, 25.3397, -7.5431

### Protanopia

77.9200, 28.1404, -19.2238

### Deuteranopia

77.1320, 26.5569, -24.6718



## Tritanopia

77.9210, 6.4479, -14.8397

# Trichromacy



## Original Color

80.6010, 25.3397, -7.5431

## Protanomaly

79.0130, 27.1086, -14.9204

## Deuteranomaly

78.3500, 25.9565, -18.7239

## Tritanomaly

79.0660, 13.2785, -12.3359

# Monochromacy



## Original Color

80.6010, 25.3397, -7.5431

## Achromatopsia

81.0000, 0.0000, 0.0000

## Achromatomaly

81.0950, 9.3202, -2.7143

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 80.6010, 25.3397, -7.5431 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(72, 75, 132)` looks like.

```
.text, #text, p{  
    color:rgb(72, 75, 132)  
}
```

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(72, 75, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 75, 132) }
```

## Border

The CSS property to change the border of an element to YUV 80.6010, 25.3397, -7.5431 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(72, 75, 132) }
```



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

```
.border{ border-color:rgb(72, 75, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 75, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 75, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 75, 132);  
box-shadow:4px 4px 4px 4px rgb(72, 75,  
132) }
```

# Background

The CSS property to change the background color of an element to YUV 80.6010, 25.3397, -7.5431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 75, 132) }
```

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

```
.background{ background-color: rgb(72, 75,  
132) }
```

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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