

# Converting Colors

YUV(96.2010, 15.1839,  
-16.8393)

Have a look what the booklet for  
YUV(96.2010, 15.1839, -16.8393)  
contains.

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# Color

**YUV(96.2010, 15.1839,  
-16.8393)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4D647F
RGB	77, 100, 127
RGB Percent	30%, 39%, 50%
CMY	0.6980, 0.6078, 0.5020
CMYK	0.39, 0.21, 0.00, 0.50
HSL	212°, 25%, 40%
HSV	212°, 39%, 50%
XYZ	11.4485, 12.2244, 21.8348
YIQ	96.2010, -22.3750, 3.5210

# Conversions

## Conversions Part 2

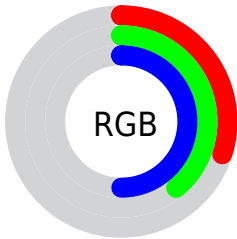
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	77, 93, 127
Decimal	5071999
CIE <sub>Lab</sub>	41.57, -1.22, -17.81
CIE <sub>LCh</sub>	42, 17.847, 266.082
Yxy	12.2244, 0.2516, 0.2686
Android (android.graphics.Color)	4283262079 (0xFF4D647F)
<b>YUV</b>	96.2010, 15.1839, -16.8393
Hunter-Lab	34.9635, -2.7376, -12.5524

# Details

The YUV color **96.2010, 15.1839, -16.8393** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **107.7990, -15.1839, 16.8393**, and the grayscale version is **96.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **147.4290, 16.0575, -17.0392**, and **48.9620, 14.3157, -18.3837** is the 20% darker color. If you saturate the color by 10%, you get **88.2050, 19.1259, -21.2278**, and if you desaturate by 10%, it is **104.1970, 11.2419, -12.4508**.

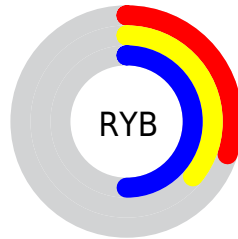
# Distribution



Red (30%)

Green (39%)

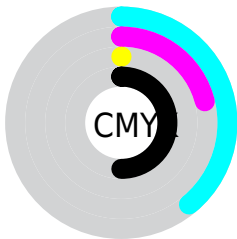
Blue (50%)



Red (30%)

Yellow (36%)

Blue (50%)

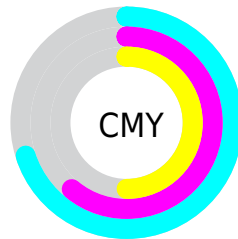


Cyan (39%)

Magenta (21%)

Yellow (0%)

Black (50%)



Cyan (70%)

Magenta (61%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 96.2010, 15.1839, -16.8393 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 96.2010, 15.1839, -16.8393 by changing the saturation by 10% instead.



■ 96.2010, 15.1839,  
-16.8393

■ 96.2010, 15.1839,  
-16.8393

■ 255.0000, 0.0000,  
0.0000

■ 72.0870, 14.7471,  
-16.7393

■ 147.4290, 16.0575,  
-17.0392

■ 48.9620, 14.3157,  
-18.3837

■ 173.5430, 16.4943,  
-17.1392

■ 25.6520, 14.4686,  
-20.7428

■ 201.6570, 16.9311,  
-17.2392

■ 8.5720, 12.5360,  
-7.5176

■ 228.6310, 12.9999,  
-16.3394

■ 0.9120, 3.4944,  
-0.7998

■ 249.9170, 2.5059,  
-10.4512

■ 0.0000, 0.0000,  
0.0000

■ 96.2010, 15.1839,  
-16.8393

■ 96.2010, 15.1839,  
-16.8393

■ 88.2050, 19.1259,  
-21.2278

■ 104.1970, 11.2419,  
-12.4508

■ 80.5080, 22.9206,  
-25.0015

■ 111.8940, 7.4473,  
-8.6770

■ 72.5120, 26.8626,  
-29.3900

■ 119.8900, 3.5052,  
-4.2885

■ 65.1030, 30.5152,  
-34.2933

■ 127.2990, -0.1474,  
0.6148

■ 57.4060, 34.3098,  
-38.0671

■ 135.2950, -4.0894,  
5.0033

■ 49.4100, 38.2519,  
-42.4556


■ 142.9920, -7.8841,  
8.7770

■ 48.5240, 38.6887,  
-42.5555

■ 150.9880,  
-11.8261, 13.1655

■ 158.9840,

-15.7681, 17.5540

 166.6810,  
-19.5627, 21.3278

# Harmonies

## Analogous

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



92.5970, 14.4957, -29.4646



96.2010, 15.1839, -16.8393



99.2030, 12.2249, -1.0550

# Triad

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



96.2010, 15.1839, -16.8393



99.7320, -6.7699, 24.7910



93.6040, -6.2138, -13.6847

# Complementary

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



96.2010, 15.1839, -16.8393



107.7990, -15.1839, 16.8393

# 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.



95.7860, -12.2195, -0.6893



96.2010, 15.1839, -16.8393



98.9180, -12.2846, 20.2429

# Square

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



96.2010, 15.1839, -16.8393



100.5450, 0.2243, 21.4470



97.4070, -14.0047, 11.9211



92.0030, 1.9705, -25.4356



# Rectangle

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



96.2010, 15.1839, -16.8393



100.3460, 8.7034, 8.4666



97.4070, -14.0047, 11.9211



94.9420, -8.8454, -9.5961

# Sweetspot

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



96.2010, 15.1839, -16.8393



153.5630, 6.1314, -6.6328



109.4280, -2.6760, -28.4394



76.8900, 3.5052, -4.2885



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

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



96.2010, 15.1839, -16.8393



118.0240, 23.6522, -26.3310



83.2980, 21.5451, -3.7693



59.5590, 2.1894, -2.2442



49.2250, 38.8361, -43.1703



0.0000, 0.0000, 0.0000



# Inverse Universe

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



94.5720, 2.6760, 28.4394



115.4260, 4.2270, 44.3534



120.7020, -21.5451, 3.7693



59.4350, 0.2785, 4.0035



44.9980, 6.9030, 72.7928

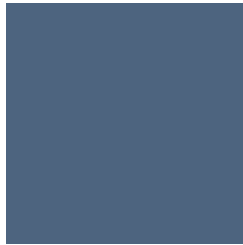


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 96.2010, 15.1839, -16.8393 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 96.2010, 15.1839, -16.8393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

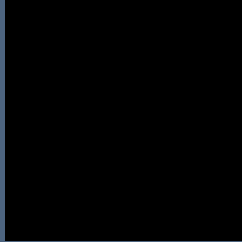
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

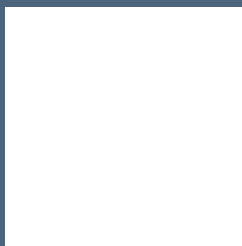
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 96.2010, 15.1839, -16.8393

## Background



This preview shows how black text looks on a background with the YUV color 96.2010, 15.1839, -16.8393.



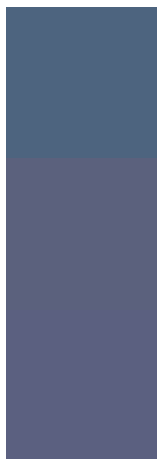
This preview shows how white text looks on a background with the YUV color 96.2010, 15.1839, -16.8393.

-16.8393.

# 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

96.2010, 15.1839, -16.8393

### Protanopia

98.3980, 13.1148, -6.4880

### Deuteranopia

98.1530, 14.7146, -6.2732



## Tritanopia

94.9420, 7.9166, -19.2431

# Trichromacy



## Original Color

96.2010, 15.1839, -16.8393

## Protanomaly

97.6040, 13.9992, -10.1767

## Deuteranomaly

97.2450, 15.1622, -9.8619

## Tritanomaly

95.3380, 10.6794, -18.7134

# Monochromacy



## Original Color

96.2010, 15.1839, -16.8393

## Achromatopsia

96.0000, 0.0000, 0.0000

## Achromatomaly

95.7480, 5.5472, -5.9180

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 96.2010, 15.1839, -16.8393 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(77, 100, 127)` looks like.

```
.text, #text, p{  
    color:rgb(77, 100, 127)  
}
```

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(77, 100, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 100, 127) }
```

## Border

The CSS property to change the border of an element to YUV 96.2010, 15.1839, -16.8393 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(77, 100, 127) }
```



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

```
.border{ border-color:rgb(77, 100, 127) }
```

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

Here you see how a box with a 4 pixel rgb(77, 100, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 100, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 100, 127);  
box-shadow:4px 4px 4px 4px rgb(77, 100,  
127) }
```

# Background

The CSS property to change the background color of an element to YUV 96.2010, 15.1839, -16.8393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 100, 127) }
```

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

```
.background{ background-color: rgb(77, 100,  
127) }
```

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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