

# Converting Colors

YUV(48.0650, 51.7330,  
-26.3670)

Have a look what the booklet for  
YUV(48.0650, 51.7330, -26.3670)  
contains.

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# Color

**YUV(48.0650, 51.7330,  
-26.3670)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	122B99
RGB	18, 43, 153
RGB Percent	7%, 17%, 60%
CMY	0.9294, 0.8314, 0.4000
CMYK	0.88, 0.72, 0.00, 0.40
HSL	229°, 79%, 34%
HSV	229°, 88%, 60%
XYZ	6.8631, 4.1563, 30.5775
YIQ	48.0650, -50.2100, 28.9100

# Conversions

## Conversions Part 2

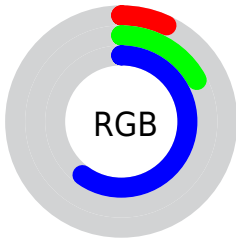
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 39, 153
Decimal	1190809
CIE <sub>Lab</sub>	24.18, 35.01, -61.69
CIE <sub>LCh</sub>	24, 70.936, 299.576
Yxy	4.1563, 0.1650, 0.0999
Android (android.graphics.Color)	4279380889 (0xFF122B99)
YUV	48.0650, 51.7330, -26.3670
Hunter-Lab	20.3869, 24.4136, -74.6559

# Details

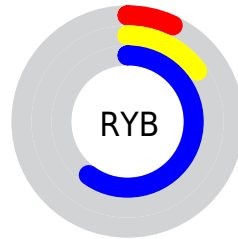
The YUV color **48.0650, 51.7330, -26.3670** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **122.9350, -51.7330, 26.3670**, and the grayscale version is **48.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **103.4630, 51.5367, -10.0531**, and **12.1010, 43.8272, -10.6126** is the 20% darker color. If you saturate the color by 10%, you get **36.5360, 57.4168, -29.4111**, and if you desaturate by 10%, it is **59.5940, 46.0492, -23.3229**.

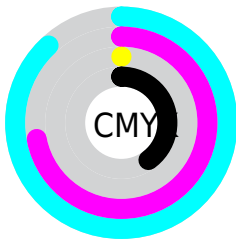
# Distribution



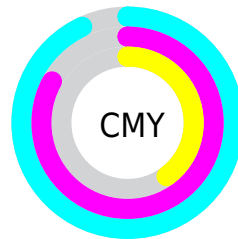
- Red (7%)
- Green (17%)
- Blue (60%)



- Red (7%)
- Yellow (15%)
- Blue (60%)



- Cyan (88%)
- Magenta (72%)
- Yellow (0%)
- Black (40%)



- Cyan (93%)
- Magenta (83%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 48.0650, 51.7330, -26.3670 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 48.0650, 51.7330, -26.3670 by changing the saturation by 10% instead.



■ 48.0650, 51.7330,  
-26.3670

■ 48.0650, 51.7330,  
-26.3670

■ 255.0000, 0.0000,  
0.0000

■ 27.2780, 48.6699,  
-23.9228

■ 103.4630, 51.5367,  
-10.0531

■ 12.1010, 43.8272,  
-10.6126

■ 129.8270, 52.8363,  
-6.8643

■ 9.8380, 32.6179,  
-8.6279

■ 155.8120, 48.8997,  
-4.2201

■ 8.2760, 21.5559,  
-7.2581

■ 179.7450, 37.1007,  
0.2236

■ 4.5940, 12.5252,  
-4.0289

■ 205.1510, 24.5756,  
4.2526

■ 0.0000, 0.0000,  
0.0000

■ 230.5570, 12.0504,

8.2815

251.4780, 1.7363,  
3.0888

48.0650, 51.7330,  
-26.3670

48.0650, 51.7330,  
-26.3670

36.5360, 57.4168,  
-29.4111

59.5940, 46.0492,  
-23.3229

33.8780, 58.7271,  
-29.7110

72.0090, 39.9286,  
-20.1789

83.5380, 34.2448,  
-17.1348

95.6540, 28.2716,  
-14.6056

107.1830, 22.5878,  
-11.5615

■ 119.5980, 16.4672,  
-8.4174

■ 131.1270, 10.7834,  
-5.3734

■ 143.2430, 4.8102,  
-2.8441

■ 155.0710, -1.0210,  
0.8147

# Harmonies

## Analogous

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



58.4810, 53.9929, -51.2878



48.0650, 51.7330, -26.3670



47.5660, 32.2590, 60.0166

# Triad

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



48.0650, 51.7330, -26.3670



48.7500, -24.0338, 55.4703



50.8820, 2.0302, -44.6235

# Complementary

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



48.0650, 51.7330, -26.3670



122.9350, -51.7330, 26.3670

# 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.



43.4380, -21.4149, -38.0951



48.0650, 51.7330, -26.3670



54.4000, -26.8192, 15.4352

# Square

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



48.0650, 51.7330, -26.3670



41.9460, -17.7214, 84.2394



41.1120, -20.2682, -32.5472



57.7390, 25.7647, -50.6371



# Rectangle

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



48.0650, 51.7330, -26.3670



49.9690, 14.3123, 76.3262



41.1120, -20.2682, -32.5472



48.1290, -5.9796, -42.2091

# Sweetspot

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



48.0650, 51.7330, -26.3670



158.7980, 19.8196, -10.3468



109.5570, 8.1064, -80.2955



75.3550, 11.6570, -5.5733



227.0000, 0.0000, 0.0000



99.0000, 0.0000, 0.0000



# Same Dimension

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



48.0650, 51.7330, -26.3670



44.4050, 76.2153, -38.9432



45.3500, 53.0714, 11.0941



70.4990, 3.2050, -1.3146



31.2220, 53.6276, -27.3817



2.6560, 5.0996, -2.3293



# Inverse Universe

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



61.2150, -8.9800, 80.4954



63.7190, -13.1725, 118.6414



125.3510, -52.9240, -11.7088



71.5060, -0.7425, 4.8182



44.8240, -9.2802, 83.4694

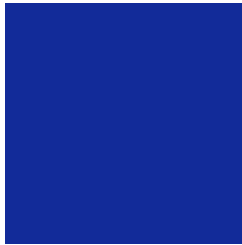


4.1150, -1.0427, 7.7921



# Previews

## White Background



This preview shows how the YUV color 48.0650, 51.7330, -26.3670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

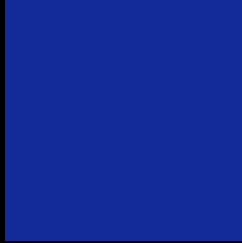
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 48.0650, 51.7330, -26.3670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

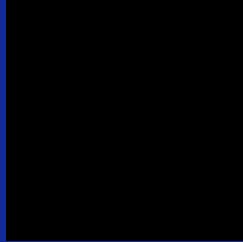
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 48.0650, 51.7330, -26.3670

## Background



This preview shows how black text looks on a background with the YUV color 48.0650, 51.7330, -26.3670.



This preview shows how white text looks on a background with the YUV color 48.0650, 51.7330,



# 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

48.0650, 51.7330, -26.3670

### Protanopia

46.2100, 34.8995, -40.5262

### Deuteranopia

46.6200, 26.3163, -40.8857



## Tritanopia

45.3200, 11.1812, -39.7456

# Trichromacy



## Original Color

48.0650, 51.7330, -26.3670

## Protanomaly

46.8500, 40.9930, -34.9485

## Deuteranomaly

47.3570, 35.3200, -35.3931

## Tritanomaly

46.2510, 26.0053, -34.4231

# Monochromacy



## Original Color

48.0650, 51.7330, -26.3670

## Achromatopsia

48.0000, 0.0000, 0.0000

## Achromatomaly

47.8690, 18.7986, -9.5321

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 48.0650, 51.7330, -26.3670 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(18, 43, 153)` looks like.

```
.text, #text, p{  
    color:rgb(18, 43, 153)  
}
```

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(18, 43, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 43, 153) }
```

## Border

The CSS property to change the border of an element to YUV 48.0650, 51.7330, -26.3670 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(18, 43, 153) }
```



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

```
.border{ border-color:rgb(18, 43, 153) }
```

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

Here you see how a box with a 4 pixel rgb(18, 43, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 43, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 43, 153);  
box-shadow:4px 4px 4px 4px rgb(18, 43,  
153) }
```

# Background

The CSS property to change the background color of an element to YUV 48.0650, 51.7330, -26.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 43, 153) }
```

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

```
.background{ background-color: rgb(18, 43,  
153) }
```

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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