

# Converting Colors

YUV(81.3370, 52.5849,  
-19.5895)

Have a look what the booklet for  
YUV(81.3370, 52.5849, -19.5895)  
contains.

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# Color

**YUV(81.3370, 52.5849,  
-19.5895)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3B48BC
RGB	59, 72, 188
RGB Percent	23%, 28%, 74%
CMY	0.7686, 0.7176, 0.2627
CMYK	0.69, 0.62, 0.00, 0.26
HSL	234°, 52%, 48%
HSV	234°, 69%, 74%
XYZ	13.1981, 9.1954, 48.6562
YIQ	81.3370, -44.9840, 33.3200

# Conversions

## Conversions Part 2

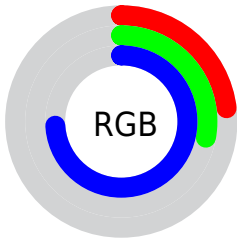
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	59, 71, 188
Decimal	3885244
CIE <sub>Lab</sub>	36.36, 33.24, -62.63
CIE <sub>LCh</sub>	36, 70.906, 297.953
Yxy	9.1954, 0.1858, 0.1294
Android (android.graphics.Color)	4282075324 (0xFF3B48BC)
YUV	81.3370, 52.5849, -19.5895
Hunter-Lab	30.3239, 24.6232, -73.9071

# Details

The YUV color **81.3370, 52.5849, -19.5895** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **165.6630, -52.5849, 19.5895**, and the grayscale version is **81.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **135.4350, 54.0155, -11.7825**, and **32.2990, 50.1386, -28.3262** is the 20% darker color. If you saturate the color by 10%, you get **65.6770, 60.3052, -22.5187**, and if you desaturate by 10%, it is **96.9970, 44.8645, -16.6604**.

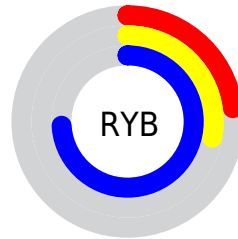
# Distribution



Red (23%)

Green (28%)

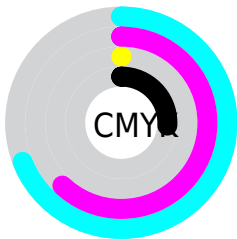
Blue (74%)



Red (23%)

Yellow (28%)

Blue (74%)

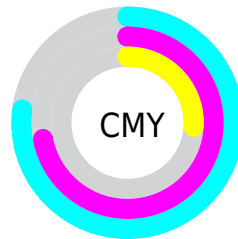


Cyan (69%)

Magenta (62%)

Yellow (0%)

Black (26%)



Cyan (77%)

Magenta (72%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 81.3370, 52.5849, -19.5895 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 81.3370, 52.5849, -19.5895 by changing the saturation by 10% instead.



■ 81.3370, 52.5849,  
-19.5895

■ 81.3370, 52.5849,  
-19.5895

255.0000, 0.0000,  
0.0000

■ 50.8790, 53.7967,  
-34.9739

■ 135.4350, 54.0155,  
-11.7825

■ 32.2990, 50.1386,  
-28.3262

■ 159.9210, 46.8739,  
-7.8237

■ 18.1820, 44.2803,  
-15.9456

■ 184.7400, 34.6382,  
-3.2800

■ 9.3480, 35.8174,  
-8.1982

■ 209.2600, 22.5498,  
0.6490

■ 10.1340, 23.5979,  
-8.8875

■ 234.9650, 9.8773,  
5.2927

■ 5.2780, 15.1459,  
-4.6288

■ 1.2540, 4.8048,

-1.0998

■ 0.0000, 0.0000,  
0.0000

■ 81.3370, 52.5849,  
-19.5895

■ 81.3370, 52.5849,  
-19.5895

■ 65.6770, 60.3052,  
-22.5187

■ 96.9970, 44.8645,  
-16.6604

■ 50.0170, 68.0256,  
-25.4479

■ 112.6570, 37.1441,  
-13.7312

■ 34.6560, 75.5986,  
-27.7623

■ 128.0180, 29.5711,  
-11.4168

■ 32.5850, 76.6196,  
-28.5770

■ 143.6780, 21.8507,  
-8.4876

■ 159.3380, 14.1304,  
-5.5584

■ 174.4110, 6.6994,  
-2.1144

■ 190.0710, -1.0210,  
0.8147

■ 205.4320, -8.5940,  
3.1291

■ 221.0920,  
-16.3144, 6.0583

# Harmonies

## Analogous

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



78.7930, 60.7411, -69.1015



81.3370, 52.5849, -19.5895



77.7340, 34.1481, 60.7463

# Triad

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



81.3370, 52.5849, -19.5895



77.4340, -38.1750, 64.5174



72.5160, 3.6896, -63.5965

# Complementary

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



81.3370, 52.5849, -19.5895



165.6630, -52.5849, 19.5895

# 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.



63.1170, -24.7077, -55.3536



81.3370, 52.5849, -19.5895



80.7250, -39.7974, 24.7972

# Square

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



81.3370, 52.5849, -19.5895



56.8420, -9.7821, 104.5016



72.4870, -35.7361, -17.9671



79.1280, 29.0239, -69.3953



# Rectangle

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



81.3370, 52.5849, -19.5895



64.0820, 23.1306, 94.6441



72.4870, -35.7361, -17.9671



69.6490, -4.7570, -61.0822

# Sweetspot

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



81.3370, 52.5849, -19.5895



202.4500, 20.9772, -8.2876



147.7190, 12.4635, -77.8066



97.1810, 12.2358, -4.5437



250.0000, 0.0000, 0.0000



122.0000, 0.0000, 0.0000



# Same Dimension

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



81.3370, 52.5849, -19.5895



78.6540, 82.0086, -30.3916



88.3570, 49.1240, 17.2269



86.6130, 3.6418, -1.4146



27.4040, 64.3838, -24.0333



5.2950, 12.6726, -4.6437



# Inverse Universe

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



99.0530, -13.3371, 78.0065



106.3790, -20.8928, 121.5706



158.6430, -49.1240, -17.2269



87.8050, -0.8899, 5.4330



49.0660, -16.3015, 95.5351

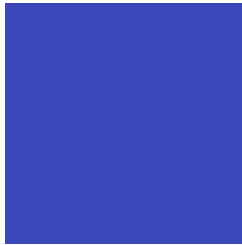


9.6110, -3.2592, 18.7582



# Previews

## White Background



This preview shows how the YUV color 81.3370, 52.5849, -19.5895 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 81.3370, 52.5849, -19.5895 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

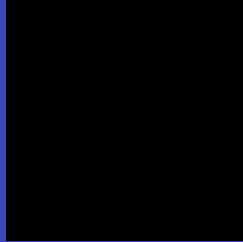
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 81.3370, 52.5849, -19.5895

## Background



This preview shows how black text looks on a background with the YUV color 81.3370, 52.5849, -19.5895.



This preview shows how white text looks on a background with the YUV color 81.3370, 52.5849, -19.5895.



# 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

81.3370, 52.5849, -19.5895

### Protanopia

67.9700, 52.2728, -59.6097

### Deuteranopia

68.1690, 40.3427, -59.7842



## Tritanopia

67.2790, 16.6245, -59.0037

# Trichromacy



## Original Color

81.3370, 52.5849, -19.5895

## Protanomaly

72.4710, 52.5188, -45.1401

## Deuteranomaly

73.1090, 44.8093, -45.6996

## Tritanomaly

72.5100, 29.8216, -45.1743

# Monochromacy



## Original Color

81.3370, 52.5849, -19.5895

## Achromatopsia

81.0000, 0.0000, 0.0000

## Achromatomaly

81.2930, 19.0826, -7.2730

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 81.3370, 52.5849, -19.5895 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(59, 72, 188)` looks like.

```
.text, #text, p{  
    color:rgb(59, 72, 188)  
}
```

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(59, 72, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 72, 188) }
```

## Border

The CSS property to change the border of an element to YUV 81.3370, 52.5849, -19.5895 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(59, 72, 188) }
```



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

```
.border{ border-color:rgb(59, 72, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 72, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 72, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 72, 188);  
box-shadow:4px 4px 4px 4px rgb(59, 72,  
188) }
```

# Background

The CSS property to change the background color of an element to YUV 81.3370, 52.5849, -19.5895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 72, 188) }
```

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

```
.background{ background-color: rgb(59, 72,  
188) }
```

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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