

# Converting Colors

YUV(81.9830, 12.3334,  
-35.9421)

Have a look what the booklet for  
YUV(81.9830, 12.3334, -35.9421)  
contains.

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# Color

**YUV(81.9830, 12.3334,  
-35.9421)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	29626B
RGB	41, 98, 107
RGB Percent	16%, 38%, 42%
CMY	0.8392, 0.6157, 0.5804
CMYK	0.62, 0.08, 0.00, 0.58
HSL	188°, 45%, 29%
HSV	188°, 62%, 42%
XYZ	7.9360, 10.2683, 15.4736
YIQ	81.9830, -36.8610, -9.2850

# Conversions

## Conversions Part 2

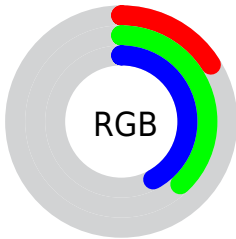
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 72, 107
Decimal	2712171
CIELab	38.32, -15.60, -10.71
CIELCh	38, 18.926, 214.483
Yxy	10.2683, 0.2356, 0.3049
Android (android.graphics.Color)	4280902251 (0xFF29626B)
YUV	81.9830, 12.3334, -35.9421
Hunter-Lab	32.0442, -11.8706, -6.1992

# Details

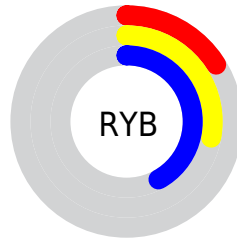
The YUV color **81.9830, 12.3334, -35.9421** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **66.0170, -12.3334, 35.9421**, and the grayscale version is **82.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **133.5810, 12.0386, -34.7125**, and **36.7770, 11.4489, -32.2534** is the 20% darker color. If you saturate the color by 10%, you get **78.1070, 14.2442, -42.1898**, and if you desaturate by 10%, it is **85.8590, 10.4225, -29.6943**.

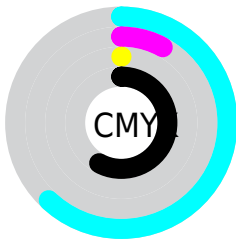
# Distribution



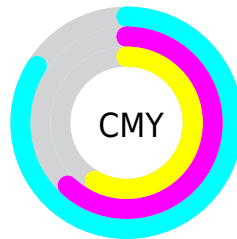
- Red (16%)
- Green (38%)
- Blue (42%)



- Red (16%)
- Yellow (28%)
- Blue (42%)



- Cyan (62%)
- Magenta (8%)
- Yellow (0%)
- Black (58%)



- Cyan (84%)
- Magenta (62%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 81.9830, 12.3334, -35.9421 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 81.9830, 12.3334, -35.9421 by changing the saturation by 10% instead.



81.9830, 12.3334,  
-35.9421

81.9830, 12.3334,  
-35.9421

255.0000, 0.0000,  
0.0000

55.2920, 13.6600,  
-41.4751

133.5810, 12.0386,  
-34.7125

36.7770, 11.4489,  
-32.2534

160.2820, 12.1860,  
-35.3273

21.9420, 7.9166,  
-19.2431

187.3960, 12.6228,  
-35.4273

2.5250, 7.1362,  
-2.2144

215.3960, 12.6228,  
-35.4273

0.0000, 0.0000,  
0.0000

239.4520, 7.6652,  
-31.9684

248.1230, 3.3904,

-14.1399

■ 81.9830, 12.3334,  
-35.9421

■ 81.9830, 12.3334,  
-35.9421

■ 78.1070, 14.2442,  
-42.1898

■ 85.8590, 10.4225,  
-29.6943

■ 73.9430, 16.2971,  
-47.3080

■ 90.0230, 8.3697,  
-24.5762

■ 70.0670, 18.2080,  
-53.5558

■ 93.8990, 6.4588,  
-18.3284

■ 66.2020, 20.1134,  
-58.0592

■ 98.3620, 4.2585,  
-12.5955

■ 102.2380, 2.3477,  
-6.3477

■ 106.4020, 0.2948,  
-1.2296

■ 110.2780, -1.6161,  
5.0182

■ 114.7410, -3.8163,  
10.7511

■ 118.3180, -5.5798,  
16.3841

# Harmonies

## Analogous

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



82.9530, 4.4602, -30.6538



81.9830, 12.3334, -35.9421



84.6510, 15.9481, -28.6349

# Triad

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



81.9830, 12.3334, -35.9421



92.8910, 5.4767, 16.7586



89.2710, -14.4306, 8.5323

# Complementary

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



81.9830, 12.3334, -35.9421



66.0170, -12.3334, 35.9421

# 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.



90.5650, -13.5895, 18.7985



81.9830, 12.3334, -35.9421



92.2850, -2.1125, 24.3061

# Square

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



81.9830, 12.3334, -35.9421



91.4100, 11.6299, 3.1484



91.2760, -8.5171, 25.1909



87.1060, -10.8983, -4.4780



# Rectangle

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



81.9830, 12.3334, -35.9421



88.0050, 15.7735, -19.2984



91.2760, -8.5171, 25.1909



89.5920, -14.5889, 12.6358

# Sweetspot

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



81.9830, 12.3334, -35.9421



130.4650, 4.7008, -14.4398



80.7680, -15.1686, -34.8765



65.0420, 2.9373, -8.8068



199.0000, 0.0000, 0.0000



71.0000, 0.0000, 0.0000



# Same Dimension

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



81.9830, 12.3334, -35.9421



100.6860, 19.3818, -56.7296



62.6120, 21.8833, -18.9537



51.6190, 1.1738, -3.1739



72.6250, 21.8769, -63.6921



151.7870, 45.9540, -133.1172



# Inverse Universe

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



67.2320, 15.1686, 34.8765



77.3560, 23.9815, 54.9388



85.3880, -21.8833, 18.9537



50.3640, 1.2995, 3.1888



46.4970, 26.8700, 61.8311

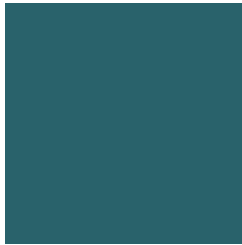


97.3090, 56.0497, 129.5250



# Previews

## White Background



This preview shows how the YUV color 81.9830, 12.3334, -35.9421 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 81.9830, 12.3334, -35.9421 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

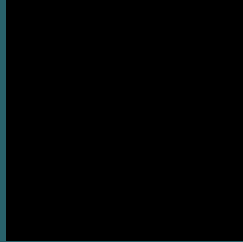
Any Text WCAG AA × Fail

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 81.9830, 12.3334, -35.9421 Background



This preview shows how black text looks on a background with the YUV color 81.9830, 12.3334, -35.9421.



This preview shows how white text looks on a background with the YUV color 81.9830, 12.3334,



# 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

81.9830, 12.3334, -35.9421

### Protanopia

90.0690, 5.3890, -1.8145

### Deuteranopia

90.6930, 9.0254, -1.4848



## Tritanopia

81.8690, 11.8966, -35.8421

# Trichromacy



## Original Color

81.9830, 12.3334, -35.9421

## Protanomaly

86.9750, 7.9003, -14.0101

## Deuteranomaly

87.8440, 9.9369, -13.8952

## Tritanomaly

81.8690, 11.8966, -35.8421

# Monochromacy



## Original Color

81.9830, 12.3334, -35.9421

## Achromatopsia

82.0000, 0.0000, 0.0000

## Achromatomaly

82.0630, 4.4059, -13.2103

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 81.9830, 12.3334, -35.9421 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(41, 98, 107)` looks like.

```
.text, #text, p{  
    color:rgb(41, 98, 107)  
}
```

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(41, 98, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 98, 107) }
```

## Border

The CSS property to change the border of an element to YUV 81.9830, 12.3334, -35.9421 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(41, 98, 107) }
```



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

```
.border{ border-color:rgb(41, 98, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 98, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 98, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 98, 107);  
box-shadow:4px 4px 4px 4px rgb(41, 98,  
107) }
```

# Background

The CSS property to change the background color of an element to YUV 81.9830, 12.3334, -35.9421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 98, 107) }
```

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

```
.background{ background-color: rgb(41, 98,  
107) }
```

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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