

# Converting Colors

YUV(80.1220, 28.5339, -5.3690)

Have a look what the booklet for  
YUV(80.1220, 28.5339, -5.3690)  
contains.

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# Color

**YUV(80.1220, 28.5339,  
-5.3690)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4A488A
RGB	74, 72, 138
RGB Percent	29%, 28%, 54%
CMY	0.7098, 0.7176, 0.4588
CMYK	0.46, 0.48, 0.00, 0.46
HSL	242°, 31%, 41%
HSV	242°, 48%, 54%
XYZ	9.7288, 7.9256, 25.0618
YIQ	80.1220, -19.9940, 20.9500

# Conversions

## Conversions Part 2

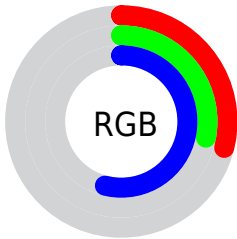
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 72, 138
Decimal	4868234
CIE <sub>Lab</sub>	33.83, 19.12, -36.66
CIE <sub>LCh</sub>	34, 41.345, 297.540
Yxy	7.9256, 0.2278, 0.1855
Android (android.graphics.Color)	4283058314 (0xFF4A488A)
YUV	80.1220, 28.5339, -5.3690
Hunter-Lab	28.1524, 12.4191, -33.0745

# Details

The YUV color **80.1220, 28.5339, -5.3690** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **129.8780, -28.5339, 5.3690**, and the grayscale version is **80.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **130.0020, 30.5650, -3.5098**, and **32.9210, 26.6609, -11.3317** is the 20% darker color. If you saturate the color by 10%, you get **68.0170, 34.5016, -6.1539**, and if you desaturate by 10%, it is **92.2270, 22.5661, -4.5841**.

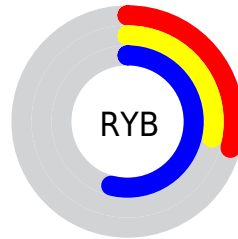
# Distribution



Red (29%)

Green (28%)

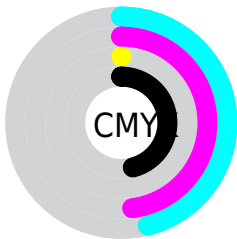
Blue (54%)



Red (29%)

Yellow (28%)

Blue (54%)

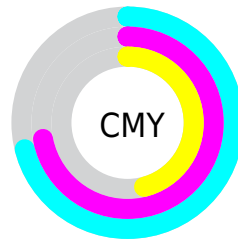


Cyan (46%)

Magenta (48%)

Yellow (0%)

Black (46%)



Cyan (71%)

Magenta (72%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 80.1220, 28.5339, -5.3690 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 80.1220, 28.5339, -5.3690 by changing the saturation by 10% instead.



■ 80.1220, 28.5339,  
-5.3690

■ 80.1220, 28.5339,  
-5.3690

■ 255.0000, 0.0000,  
0.0000

■ 56.4700, 27.3763,  
-7.4282

■ 130.0020, 30.5650,  
-3.5098

■ 32.9210, 26.6609,  
-11.3317

■ 156.5290, 31.2912,  
-3.0949

■ 10.2310, 26.5081,  
-8.9726

■ 184.0560, 32.0174,  
-2.6801

■ 6.4350, 17.0405,  
-5.6435

■ 208.9610, 22.6972,  
0.0342

■ 2.7530, 8.0098,  
-2.4144

■ 234.0680, 10.3195,  
3.4484

■ 0.0000, 0.0000,  
0.0000

80.1220, 28.5339,  
-5.3690

80.1220, 28.5339,  
-5.3690

68.0170, 34.5016,  
-6.1539

92.2270, 22.5661,  
-4.5841

55.6130, 40.6168,  
-7.5536

104.6310, 16.4509,  
-3.1844

44.0950, 46.2952,  
-8.8533

116.1490, 10.7725,  
-1.8847

31.6910, 52.4103,  
-10.2530

128.5530, 4.6574,  
-0.4850

19.5860, 58.3781,  
-11.0379

140.6580, -1.3104,  
0.2999


16.9280, 59.6885,  
-11.3379

152.7630, -7.2782,  
1.0848

165.1670,  
-13.3933, 2.4845

176.6850,

-19.0717, 3.7843

 188.7900,  
-25.0395, 4.5692

# Harmonies

## Analogous

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



65.8380, 39.0269, -57.7399



80.1220, 28.5339, -5.3690



81.2530, 16.6373, 30.4731

# Triad

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



80.1220, 28.5339, -5.3690



76.9670, -26.6057, 40.3709



64.4290, 5.7045, -56.5042

# Complementary

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



80.1220, 28.5339, -5.3690



129.8780, -28.5339, 5.3690

# 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.



62.6790, -10.1947, -43.5685



80.1220, 28.5339, -5.3690



74.8430, -35.4186, 20.3087

# Square

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



80.1220, 28.5339, -5.3690



76.7140, -12.6770, 52.8708



71.6980, -28.9381, -4.9971



68.1910, 20.1188, -59.8035



# Rectangle

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



80.1220, 28.5339, -5.3690



79.0610, 7.8579, 46.4275



71.6980, -28.9381, -4.9971



62.4740, 0.7523, -54.7897

# Sweetspot

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



80.1220, 28.5339, -5.3690



156.8500, 10.9200, -2.4994



117.6790, 10.0183, -40.0605



76.0090, 6.4046, -0.8849



217.0000, 0.0000, 0.0000



89.0000, 0.0000, 0.0000



# Same Dimension

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



80.1220, 28.5339, -5.3690



89.5250, 44.1112, -8.3534



89.6900, 23.8168, 14.3039



62.7980, 3.0576, -0.6998



16.3580, 57.5045, -10.8380



0.5700, 2.1840, -0.4999



# Inverse Universe

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



99.0300, 18.2262, 34.1767



118.6700, 27.7707, 52.9094



120.3100, -23.8168, -14.3039



64.8910, 2.0257, 3.6036



54.4730, 36.7418, 68.8682

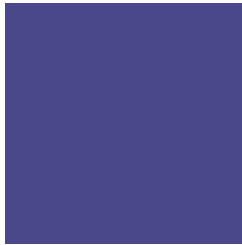


2.0650, 1.4470, 2.5740



# Previews

## White Background



This preview shows how the YUV color 80.1220, 28.5339, -5.3690 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 80.1220, 28.5339, -5.3690 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

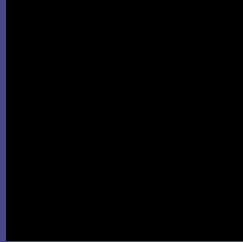
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 80.1220, 28.5339, -5.3690

## Background



This preview shows how black text looks on a background with the YUV color 80.1220, 28.5339, -5.3690.



This preview shows how white text looks on a background with the YUV color 80.1220, 28.5339, -5.3690.

-5.3690.

# 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

80.1220, 28.5339, -5.3690

### Protanopia

75.8530, 33.1035, -24.4271

### Deuteranopia

73.5270, 30.7992, -32.0342



## Tritanopia

77.2200, 6.3005, -14.2249

# Trichromacy



## Original Color

80.1220, 28.5339, -5.3690

## Protanomaly

77.1420, 31.4820, -17.6645

## Deuteranomaly

75.7670, 30.1879, -22.5977

## Tritanomaly

78.3050, 14.1466, -10.7915

# Monochromacy



## Original Color

80.1220, 28.5339, -5.3690

## Achromatopsia

80.0000, 0.0000, 0.0000

## Achromatomaly

80.0350, 10.3357, -1.7847

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 80.1220, 28.5339, -5.3690 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(74, 72, 138)` looks like.

```
.text, #text, p{  
    color:rgb(74, 72, 138)  
}
```

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(74, 72, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 72, 138) }
```

## Border

The CSS property to change the border of an element to YUV 80.1220, 28.5339, -5.3690 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(74, 72, 138) }
```



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

```
.border{ border-color:rgb(74, 72, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 72, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 72, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 72, 138);  
box-shadow:4px 4px 4px 4px rgb(74, 72,  
138) }
```

# Background

The CSS property to change the background color of an element to YUV 80.1220, 28.5339, -5.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 72, 138) }
```

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

```
.background{ background-color: rgb(74, 72,  
138) }
```

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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