

# Converting Colors

YUV(87.0030, 45.8475, -5.2646)

Have a look what the booklet for  
YUV(87.0030, 45.8475, -5.2646)  
contains.

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# Color

**YUV(87.0030, 45.8475,  
-5.2646)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5148B4
RGB	81, 72, 180
RGB Percent	32%, 28%, 71%
CMY	0.6824, 0.7176, 0.2941
CMYK	0.55, 0.60, 0.00, 0.29
HSL	245°, 43%, 49%
HSV	245°, 60%, 71%
XYZ	13.9489, 9.6793, 44.3131
YIQ	87.0030, -29.3040, 35.4960

# Conversions

## Conversions Part 2

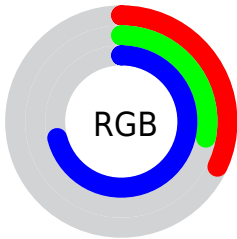
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	81, 72, 180
Decimal	5327028
CIE <sub>Lab</sub>	37.26, 34.16, -56.38
CIE <sub>LCh</sub>	37, 65.928, 301.213
Yxy	9.6793, 0.2053, 0.1425
Android (android.graphics.Color)	4283517108 (0xFF5148B4)
YUV	87.0030, 45.8475, -5.2646
Hunter-Lab	31.1116, 25.5852, -62.6701

# Details

The YUV color **87.0030, 45.8475, -5.2646** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **164.9970, -45.8475, 5.2646**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.3070, 48.1626, -1.1462**, and **32.5940, 46.0492, -23.3229** is the 20% darker color. If you saturate the color by 10%, you get **71.3540, 53.5625, -6.4495**, and if you desaturate by 10%, it is **102.3530, 38.2800, -4.6946**.

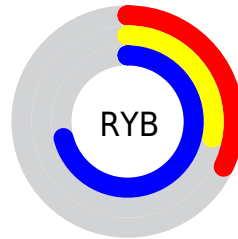
# Distribution



 Red (32%)

 Green (28%)

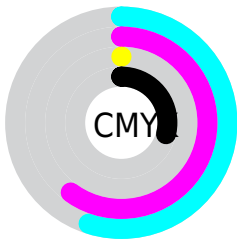
 Blue (71%)



 Red (32%)

 Yellow (28%)

 Blue (71%)

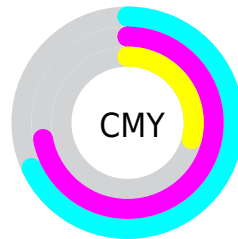


 Cyan (55%)

 Magenta (60%)

 Yellow (0%)

 Black (29%)



 Cyan (68%)

 Magenta (72%)

 Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 87.0030, 45.8475, -5.2646 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 87.0030, 45.8475, -5.2646 by changing the saturation by 10% instead.



■ 87.0030, 45.8475,  
-5.2646

■ 87.0030, 45.8475,  
-5.2646

255.0000, 0.0000,  
0.0000

■ 61.1550, 45.2796,  
-9.7829

■ 139.3070, 48.1626,  
-1.1462

■ 32.5940, 46.0492,  
-23.3229

■ 165.2920, 44.2260,  
1.4979

■ 15.5090, 41.6541,  
-13.6014

■ 189.8120, 32.1377,  
5.4269

■ 8.6640, 33.1966,  
-7.5983

■ 214.3320, 20.0493,  
9.3558

■ 8.2760, 21.5559,  
-7.2581

■ 239.7380, 7.5242,  
13.3848

■ 4.5940, 12.5252,  
-4.0289

■ 0.0000, 0.0000,

0.0000

■ 87.0030, 45.8475,  
-5.2646

■ 87.0030, 45.8475,  
-5.2646

■ 71.3540, 53.5625,  
-6.4495

■ 102.3530, 38.2800,  
-4.6946

■ 56.0040, 61.1300,  
-7.0195

■ 118.0020, 30.5650,  
-3.5098

■ 40.3550, 68.8450,  
-8.2043

■ 133.6510, 22.8501,  
-2.3249

■ 25.0050, 76.4125,  
-8.7744

■ 149.0010, 15.2825,  
-1.7549

■ 164.6500, 7.5675,  
-0.5701

■ 180.0000, 0.0000,  
0.0000

■ 195.6490, -7.7150,  
1.1848

■ 210.9990,  
-15.2825, 1.7549

■ 226.6480,  
-22.9975, 2.9397

# Harmonies

## Analogous

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



77.5220, 58.4097, -67.9868



87.0030, 45.8475, -5.2646



82.2410, 28.4752, 60.3016

# Triad

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



87.0030, 45.8475, -5.2646



80.6350, -39.7531, 57.3251



74.0150, 6.8946, -64.9112

# Complementary

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



87.0030, 45.8475, -5.2646



164.9970, -45.8475, 5.2646

# 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.



65.7560, -17.1347, -57.6680



87.0030, 45.8475, -5.2646



82.1760, -40.5128, 20.8936

# Square

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



87.0030, 45.8475, -5.2646



70.7940, -17.1534, 88.7577



73.6500, -36.3094, -20.7410



80.7580, 30.1923, -70.8248



# Rectangle

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



87.0030, 45.8475, -5.2646



63.5120, 20.9466, 95.1440



73.6500, -36.3094, -20.7410



71.9630, -0.9678, -63.1116

# Sweetspot

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



87.0030, 45.8475, -5.2646



198.0980, 18.1927, -1.8399



142.4250, 18.5245, -61.7627



94.8610, 10.9145, -0.7551



245.0000, 0.0000, 0.0000



117.0000, 0.0000, 0.0000



# Same Dimension

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



87.0030, 45.8475, -5.2646



89.4520, 71.7552, -8.2894



103.1490, 37.8875, 27.9333



81.3250, 3.7838, -0.2850



21.3290, 64.9138, -7.3045



3.5620, 11.0619, -1.3699



# Inverse Universe

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



115.5780, 27.3230, 56.4981



134.2010, 42.7919, 88.4007



148.8510, -37.8875, -27.9333



83.7170, 2.6045, 4.6332



61.7070, 38.5984, 80.0640



10.3960, 6.2138, 13.6847



# Previews

## White Background



This preview shows how the YUV color 87.0030, 45.8475, -5.2646 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 87.0030, 45.8475, -5.2646 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

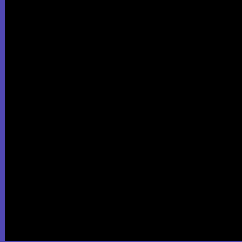
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 87.0030, 45.8475, -5.2646

## Background



This preview shows how black text looks on a background with the YUV color 87.0030, 45.8475, -5.2646.



This preview shows how white text looks on a background with the YUV color 87.0030, 45.8475,

-5.2646.

# 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

87.0030, 45.8475, -5.2646

### Protanopia

69.7140, 53.8780, -61.1392

### Deuteranopia

70.5000, 41.6585, -61.8285



## Tritanopia

82.5390, 9.1013, -25.9057

# Trichromacy



## Original Color

87.0030, 45.8475, -5.2646

## Protanomaly

76.0370, 50.7608, -41.2514

## Deuteranomaly

76.0880, 43.3406, -41.2962

## Tritanomaly

84.1390, 22.6095, -18.5389

# Monochromacy



## Original Color

87.0030, 45.8475, -5.2646

## Achromatopsia

87.0000, 0.0000, 0.0000

## Achromatomaly

87.3430, 16.5929, -2.0548

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 87.0030, 45.8475, -5.2646 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(81, 72, 180)` looks like.

```
.text, #text, p{  
    color:rgb(81, 72, 180)  
}
```

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(81, 72, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 72, 180) }
```

## Border

The CSS property to change the border of an element to YUV 87.0030, 45.8475, -5.2646 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(81, 72, 180) }
```



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

```
.border{ border-color:rgb(81, 72, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 72, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 72, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 72, 180);  
box-shadow:4px 4px 4px 4px rgb(81, 72,  
180) }
```

# Background

The CSS property to change the background color of an element to YUV 87.0030, 45.8475, -5.2646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 72, 180) }
```

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

```
.background{ background-color: rgb(81, 72,  
180) }
```

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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