

# Converting Colors

YUV(89.8140, 22.2767, -5.0989)

Have a look what the booklet for  
YUV(89.8140, 22.2767, -5.0989)  
contains.

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# Color

**YUV(89.8140, 22.2767,  
-5.0989)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	545487
RGB	84, 84, 135
RGB Percent	33%, 33%, 53%
CMY	0.6706, 0.6706, 0.4706
CMYK	0.38, 0.38, 0.00, 0.47
HSL	240°, 23%, 43%
HSV	240°, 38%, 53%
XYZ	11.1997, 9.9747, 24.2567
YIQ	89.8140, -16.3710, 15.8610

# Conversions

## Conversions Part 2

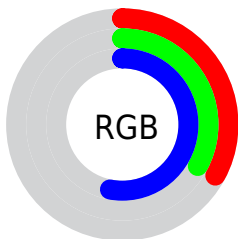
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 84, 135
Decimal	5526663
CIE <sub>Lab</sub>	37.80, 13.24, -28.49
CIE <sub>LCh</sub>	38, 31.417, 294.933
Yxy	9.9747, 0.2465, 0.2196
Android (android.graphics.Color)	4283716743 (0xFF545487)
YUV	89.8140, 22.2767, -5.0989
Hunter-Lab	31.5828, 8.0284, -23.4288

# Details

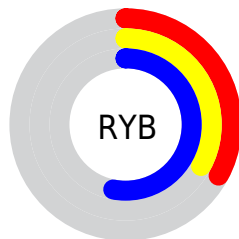
The YUV color **89.8140, 22.2767, -5.0989** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **129.1860, -22.2767, 5.0989**, and the grayscale version is **90.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.9820, 24.1659, -4.3692**, and **43.0480, 20.6823, -7.0581** is the 20% darker color. If you saturate the color by 10%, you get **77.4100, 28.3919, -6.4986**, and if you desaturate by 10%, it is **102.2180, 16.1615, -3.6992**.

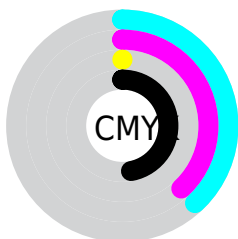
# Distribution



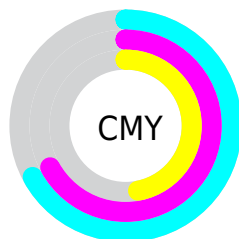
- Red (33%)
- Green (33%)
- Blue (53%)



- Red (33%)
- Yellow (33%)
- Blue (53%)



- Cyan (38%)
- Magenta (38%)
- Yellow (0%)
- Black (47%)



- Cyan (67%)
- Magenta (67%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 89.8140, 22.2767, -5.0989 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 89.8140, 22.2767, -5.0989 by changing the saturation by 10% instead.



■ 89.8140, 22.2767,  
-5.0989

■ 89.8140, 22.2767,  
-5.0989

■ 255.0000, 0.0000,  
0.0000

■ 65.8740, 21.2611,  
-6.0285

■ 139.9820, 24.1659,  
-4.3692

■ 43.0480, 20.6823,  
-7.0581

■ 166.9820, 24.1659,  
-4.3692

■ 20.2000, 20.1144,  
-11.5764

■ 194.5090, 24.8921,  
-3.9544

■ 4.4460, 17.0351,  
-3.8991

■ 219.8700, 17.3191,  
-1.6400

■ 2.5250, 7.1362,  
-2.2144

■ 245.5640, 4.6519,  
1.2594

■ 0.0000, 0.0000,  
0.0000

■ 89.8140, 22.2767,  
-5.0989

■ 89.8140, 22.2767,  
-5.0989

■ 77.4100, 28.3919,  
-6.4986

■ 102.2180, 16.1615,  
-3.6992

■ 65.8920, 34.0702,  
-7.7983

■ 113.7360, 10.4832,  
-2.3995

■ 54.3740, 39.7486,  
-9.0980

■ 126.1400, 4.3680,  
-0.9998

■ 41.9700, 45.8638,  
-10.4977

■ 137.6580, -1.3104,  
0.2999

■ 30.4520, 51.5422,  
-11.7974

■ 150.0620, -7.4256,  
1.6996

■ 18.0480, 57.6573,  
-13.1971

■ 161.5800,  
-13.1039, 2.9993

■ 15.3900, 58.9677,  
-13.4970

■ 173.9840,  
-19.2191, 4.3990

■ 185.5020,

-24.8975, 5.6987

■ 197.9060,  
-31.0127, 7.0984

# Harmonies

## Analogous

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



79.7060, 29.2319, -42.7152



89.8140, 22.2767, -5.0989



91.5740, 13.0280, 21.4216

# Triad

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



89.8140, 22.2767, -5.0989



88.6440, -20.0375, 33.6382



69.4500, 7.1732, -60.9076

# Complementary

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



89.8140, 22.2767, -5.0989



129.1860, -22.2767, 5.0989

# 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.



80.3870, -10.5438, -24.8954



89.8140, 22.2767, -5.0989



86.9920, -24.6461, 18.4240

# Square

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



89.8140, 22.2767, -5.0989



89.0330, -9.8763, 41.1901



84.6690, -21.5288, -1.4637



72.4140, 18.5299, -63.5071



# Rectangle

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



89.8140, 22.2767, -5.0989



90.8160, 6.0067, 33.4874



84.6690, -21.5288, -1.4637



74.1160, 0.4358, -46.5827

# Sweetspot

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



89.8140, 22.2767, -5.0989



159.1660, 8.2992, -1.8996



119.7510, 7.5178, -31.3536



79.2540, 4.8048, -1.0998



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.



89.8140, 22.2767, -5.0989



106.0060, 34.5070, -7.8983



97.5880, 18.4441, 10.8853



60.6840, 2.6208, -0.5999



14.8200, 56.7837, -12.9971



0.3420, 1.3104, -0.2999



# Inverse Universe

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



105.0630, 14.7589, 26.2547



129.6270, 22.8619, 40.6691



121.7110, -18.5915, -10.2705



62.4780, 1.7363, 3.0888



53.6900, 37.6208, 66.9239



1.2390, 0.8682, 1.5444



# Previews

## White Background



This preview shows how the YUV color 89.8140, 22.2767, -5.0989 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 89.8140, 22.2767, -5.0989 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 89.8140, 22.2767, -5.0989**

## **Background**



This preview shows how black text looks on a background with the YUV color 89.8140, 22.2767, -5.0989.



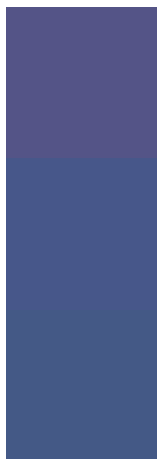
This preview shows how white text looks on a background with the YUV color 89.8140, 22.2767,

-5.0989.

# 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

89.8140, 22.2767, -5.0989

### Protanopia

88.0300, 24.6352, -14.9353

### Deuteranopia

87.8510, 22.7515, -17.4093



## Tritanopia

88.0140, 5.4161, -10.5363

# Trichromacy



## Original Color

89.8140, 22.2767, -5.0989

## Protanomaly

88.8240, 23.7508, -11.2466

## Deuteranomaly

88.4710, 22.4458, -12.6911

## Tritanomaly

88.6320, 11.5204, -8.4473

# Monochromacy



## Original Color

89.8140, 22.2767, -5.0989

## Achromatopsia

90.0000, 0.0000, 0.0000

## Achromatomaly

90.0520, 7.8624, -1.7996

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 89.8140, 22.2767, -5.0989 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(84, 84, 135)` looks like.

```
.text, #text, p{  
    color:rgb(84, 84, 135)  
}
```

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(84, 84, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 84, 135) }
```

## Border

The CSS property to change the border of an element to YUV 89.8140, 22.2767, -5.0989 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(84, 84, 135) }
```



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

```
.border{ border-color:rgb(84, 84, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 84, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 84, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 84, 135);  
box-shadow:4px 4px 4px 4px rgb(84, 84,  
135) }
```

# Background

The CSS property to change the background color of an element to YUV 89.8140, 22.2767, -5.0989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 84, 135) }
```

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

```
.background{ background-color: rgb(84, 84,  
135) }
```

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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