

# Converting Colors

YUV(123.7680, 42.0194,  
-37.5075)

Have a look what the booklet for  
YUV(123.7680, 42.0194, -37.5075)  
contains.

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# Color

**YUV(123.7680, 42.0194,  
-37.5075)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5181D1
RGB	81, 129, 209
RGB Percent	32%, 51%, 82%
CMY	0.6824, 0.4941, 0.1804
CMYK	0.61, 0.38, 0.00, 0.18
HSL	218°, 58%, 57%
HSV	218°, 61%, 82%
XYZ	22.7522, 22.0533, 63.3791
YIQ	123.7680, -54.2880, 14.7040

# Conversions

## Conversions Part 2

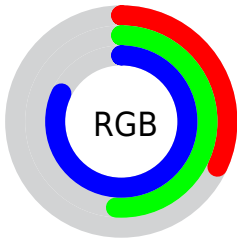
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	81, 116, 209
Decimal	5341649
CIE Lab	54.08, 8.37, -46.16
CIE LCh	54, 46.910, 280.279
Yxy	22.0533, 0.2103, 0.2038
Android (android.graphics.Color)	4283531729 (0xFF5181D1)
YUV	123.7680, 42.0194, -37.5075
Hunter-Lab	46.9609, 4.3003, -47.1460

# Details

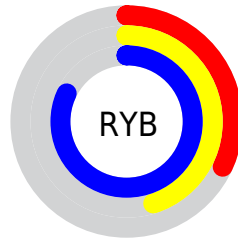
The YUV color **123.7680, 42.0194, -37.5075** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **166.2320, -42.0194, 37.5075**, and the grayscale version is **123.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **177.1770, 38.3667, -32.6042**, and **64.5160, 44.1156, -56.5805** is the 20% darker color. If you saturate the color by 10%, you get **109.8580, 48.8770, -43.7255**, and if you desaturate by 10%, it is **137.6780, 35.1617, -31.2896**.

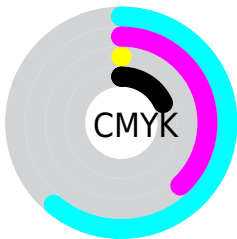
# Distribution



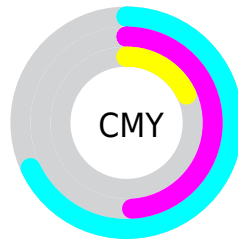
- Red (32%)
- Green (51%)
- Blue (82%)



- Red (32%)
- Yellow (45%)
- Blue (82%)



- Cyan (61%)
- Magenta (38%)
- Yellow (0%)
- Black (18%)



- Cyan (68%)
- Magenta (49%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 123.7680, 42.0194, -37.5075 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 123.7680, 42.0194, -37.5075 by changing the saturation by 10% instead.



■ 123.7680, 42.0194,  
-37.5075

■ 123.7680, 42.0194,  
-37.5075

■ 255.0000, 0.0000,  
0.0000

■ 96.0340, 41.8882,  
-42.1258

■ 177.1770, 38.3667,  
-32.6042

■ 64.5160, 44.1156,  
-56.5805

■ 202.2840, 25.9890,  
-29.1901

■ 48.6380, 39.1255,  
-42.6555

■ 227.6900, 13.4638,  
-25.1611

■ 33.3470, 33.8459,  
-29.2453

■ 246.9270, 3.9800,  
-16.5990

■ 18.2840, 29.4400,  
-16.0351

■ 9.0910, 22.1401,  
-7.9728

■ 4.8220, 13.3988,

-4.2289

■ 0.4560, 1.7472,  
-0.3999

■ 0.0000, 0.0000,  
0.0000

■ 123.7680, 42.0194,  
-37.5075

■ 123.7680, 42.0194,  
-37.5075

■ 109.8580, 48.8770,  
-43.7255

■ 137.6780, 35.1617,  
-31.2896

■ 95.9480, 55.7346,  
-49.9434

■ 151.5880, 28.3041,  
-25.0717

■ 82.0380, 62.5923,  
-56.1613

■ 165.4980, 21.4465,  
-18.8537

■ 69.6120, 68.7183,  
-61.0497

■ 179.4080, 14.5889,  
-12.6358

■ 193.3180, 7.7312,  
-6.4179

■ 206.9290, 1.0210,  
-0.8147

■ 220.8390, -5.8366,  
5.4032

■ 235.3360,  
-12.9836, 11.1063

■ 245.0600,  
-17.7776, 8.7174

# Harmonies

## Analogous

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



106.1370, 48.7395, -93.0821



123.7680, 42.0194, -37.5075



132.9550, 28.6162, 14.9485

# Triad

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



123.7680, 42.0194, -37.5075



127.7830, -24.0500, 60.7033



102.5870, -0.7824, -75.9368

# Complementary

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



123.7680, 42.0194, -37.5075



166.2320, -42.0194, 37.5075

# 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.



119.0550, -27.1421, -21.0962



123.7680, 42.0194, -37.5075



126.5190, -37.2309, 41.6408

# Square

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



123.7680, 42.0194, -37.5075



128.9250, -5.8790, 65.8408



124.0610, -39.4701, 13.1015



103.6510, 18.9061, -90.9019



# Rectangle

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



123.7680, 42.0194, -37.5075



132.7750, 18.3519, 40.5393



124.0610, -39.4701, 13.1015



112.0650, -12.3570, -50.0460

# Sweetspot

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



123.7680, 42.0194, -37.5075



224.2230, 15.1731, -13.3506



165.1420, -2.5350, -73.7925



108.7630, 9.4838, -8.5622



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



123.7680, 42.0194, -37.5075



131.2940, 60.9871, -54.6318



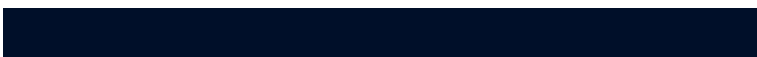
100.0770, 53.6990, -3.5755



97.6020, 3.6472, -3.1590



56.1330, 55.1504, -49.2286



13.4790, 13.5679, -11.8211



# Inverse Universe

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



124.7440, 2.0982, 73.8925



132.5940, 3.1582, 107.3501



189.9230, -53.6990, 3.5755



97.7450, 0.1257, 6.3626



57.4140, 2.7539, 96.9839



13.9690, 0.5083, 23.7062



# Previews

## White Background



This preview shows how the YUV color 123.7680, 42.0194, -37.5075 looks on a white 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



# Black Background



This preview shows how the YUV color 123.7680, 42.0194, -37.5075 looks on a black 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

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

# YUV 123.7680, 42.0194, -37.5075

## Background



This preview shows how black text looks on a background with the YUV color 123.7680, 42.0194, -37.5075.



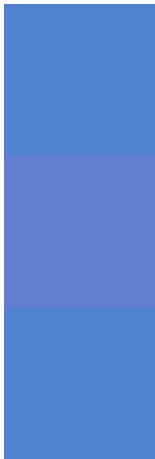
This preview shows how white text looks on a background with the YUV color 123.7680, 42.0194, -37.5075.

-37.5075.

# 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

123.7680, 42.0194, -37.5075

### Protanopia

126.7480, 39.0712, -25.2120

### Deuteranopia

123.4690, 42.1668, -38.1223



## Tritanopia

116.2410, 17.6292, -54.5854

# Trichromacy



## Original Color

123.7680, 42.0194, -37.5075

## Protanomaly

125.6550, 40.1031, -29.5154

## Deuteranomaly

123.4690, 42.1668, -38.1223

## Tritanomaly

119.2770, 26.4854, -48.4779

# Monochromacy



## Original Color

123.7680, 42.0194, -37.5075

## Achromatopsia

124.0000, 0.0000, 0.0000

## Achromatomaly

123.9240, 15.3205, -13.9653

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 123.7680, 42.0194, -37.5075 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, 129, 209)` looks like.

```
.text, #text, p{  
    color:rgb(81, 129, 209)  
}
```

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, 129, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 129, 209) }
```

## Border

The CSS property to change the border of an element to YUV 123.7680, 42.0194, -37.5075 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, 129, 209) }
```



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

```
.border{ border-color:rgb(81, 129, 209) }
```

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

Here you see how a box with a 4 pixel rgb(81, 129, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 129, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 129, 209);  
box-shadow:4px 4px 4px 4px rgb(81, 129,  
209) }
```

# Background

The CSS property to change the background color of an element to YUV 123.7680, 42.0194, -37.5075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 129, 209) }
```

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

```
.background{ background-color: rgb(81, 129,  
209) }
```

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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