

# Converting Colors

YUV(83.8180, 22.7677,  
-22.6424)

Have a look what the booklet for  
YUV(83.8180, 22.7677, -22.6424)  
contains.

<b>YUV(83.8180, 22.7677, -22.6424)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(83.8180, 22.7677,  
-22.6424)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3A5882
RGB	58, 88, 130
RGB Percent	23%, 35%, 51%
CMY	0.7725, 0.6549, 0.4902
CMYK	0.55, 0.32, 0.00, 0.49
HSL	215°, 38%, 37%
HSV	215°, 55%, 51%
XYZ	9.2639, 9.4907, 22.4627
YIQ	83.8180, -31.3620, 6.7020

# Conversions

## Conversions Part 2

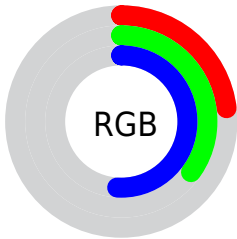
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 79, 130
Decimal	3823746
CIELab	36.91, 2.03, -26.95
CIElCh	37, 27.025, 274.313
Yxy	9.4907, 0.2248, 0.2303
Android (android.graphics.Color)	4282013826 (0xFF3A5882)
YUV	83.8180, 22.7677, -22.6424
Hunter-Lab	30.8070, -0.2358, -21.6661

# Details

The YUV color **83.8180, 22.7677, -22.6424** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **104.1820, -22.7677, 22.6424**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **134.7580, 23.7833, -21.7128**, and **34.3610, 22.5000, -30.1346** is the 20% darker color. If you saturate the color by 10%, you get **75.2350, 26.9991, -26.5161**, and if you desaturate by 10%, it is **92.4010, 18.5363, -18.7687**.

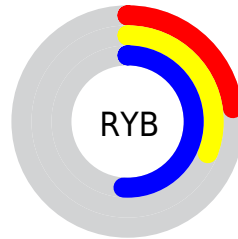
# Distribution



Red (23%)

Green (35%)

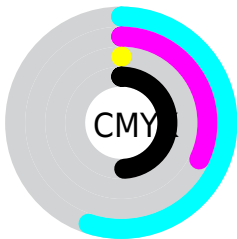
Blue (51%)



Red (23%)

Yellow (31%)

Blue (51%)

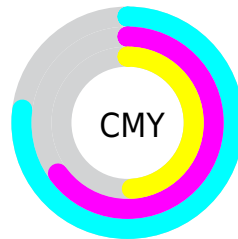


Cyan (55%)

Magenta (32%)

Yellow (0%)

Black (49%)



Cyan (77%)

Magenta (65%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 83.8180, 22.7677, -22.6424 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 83.8180, 22.7677, -22.6424 by changing the saturation by 10% instead.



■ 83.8180, 22.7677,  
-22.6424

■ 83.8180, 22.7677,  
-22.6424

■ 255.0000, 0.0000,  
0.0000

■ 59.3940, 22.4838,  
-24.9015

■ 134.7580, 23.7833,  
-21.7128

■ 34.3610, 22.5000,  
-30.1346

■ 161.2850, 24.5095,  
-21.2979

■ 19.9990, 18.2415,  
-17.5391

■ 188.3990, 24.9463,  
-21.3979

■ 5.1640, 14.7091,  
-4.5288

■ 215.0310, 19.7047,  
-20.1982

■ 1.2540, 4.8048,  
-1.0998

■ 240.1380, 7.3270,  
-16.7840

■ 0.0000, 0.0000,  
0.0000

■ 253.5050, 0.7370,

-3.0739

■ 83.8180, 22.7677,  
-22.6424

■ 83.8180, 22.7677,  
-22.6424

■ 75.2350, 26.9991,  
-26.5161

■ 92.4010, 18.5363,  
-18.7687

■ 67.2390, 30.9412,  
-30.9046

■ 100.3970, 14.5943,  
-14.3802

■ 58.6560, 35.1726,  
-34.7783

■ 108.9800, 10.3629,  
-10.5065

■ 50.6600, 39.1146,  
-39.1668

■ 116.9760, 6.4208,  
-6.1180

■ 46.5180, 41.1566,  
-40.7963

■ 125.5590, 2.1894,  
-2.2442

■ 133.5550, -1.7526,  
2.1443

■ 142.1380, -5.9840,  
6.0180

■ 150.7210,  
-10.2155, 9.8917

■ 158.7170,  
-14.1575, 14.2802

# Harmonies

## Analogous

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



69.5420, 27.8338, -60.9883



83.8180, 22.7677, -22.6424



88.7890, 16.8660, 3.6930

# Triad

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



83.8180, 22.7677, -22.6424



87.4190, -12.0386, 34.7125



78.6300, -5.7336, -27.7395

# Complementary

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



83.8180, 22.7677, -22.6424



104.1820, -22.7677, 22.6424

# 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.



82.7160, -16.1290, -6.7669



83.8180, 22.7677, -22.6424



86.5290, -18.9948, 25.8461

# Square

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



83.8180, 22.7677, -22.6424



88.4650, -1.7082, 34.6722



84.9740, -20.6932, 10.5468



67.6720, 10.5147, -59.3483



# Rectangle

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



83.8180, 22.7677, -22.6424



89.6830, 11.0023, 17.8180



84.9740, -20.6932, 10.5468



80.3490, -9.5391, -20.4771

# Sweetspot

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



83.8180, 22.7677, -22.6424



150.2360, 8.7577, -8.9770



105.0520, -2.4906, -41.2646



73.0470, 5.3998, -5.3032



212.0000, 0.0000, 0.0000



84.0000, 0.0000, 0.0000



# Same Dimension

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



83.8180, 22.7677, -22.6424



97.2430, 34.8832, -35.2931



68.0020, 30.5650, -3.5098



59.5590, 2.1894, -2.2442



45.7030, 40.5724, -40.0815



0.0000, 0.0000, 0.0000



# Inverse Universe

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



82.9480, 2.4906, 41.2646



95.5470, 4.1673, 63.5413



119.9980, -30.5650, 3.5098



59.4350, 0.2785, 4.0035



44.3140, 4.2822, 73.3926

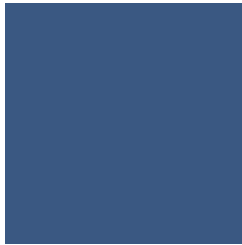


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YUV color 83.8180, 22.7677, -22.6424 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 83.8180, 22.7677, -22.6424 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

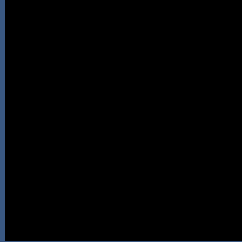
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 83.8180, 22.7677, -22.6424

## Background



This preview shows how black text looks on a background with the YUV color 83.8180, 22.7677, -22.6424.



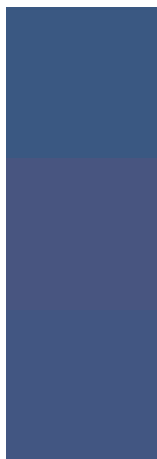
This preview shows how white text looks on a background with the YUV color 83.8180, 22.7677, -22.6424.

-22.6424.

# 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

83.8180, 22.7677, -22.6424

### Protanopia

86.0150, 20.6986, -12.2912

### Deuteranopia

85.0360, 22.1673, -16.6946



## Tritanopia

80.7450, 9.9857, -29.5944

# Trichromacy



## Original Color

83.8180, 22.7677, -22.6424

## Protanomaly

85.2210, 21.5830, -15.9798

## Deuteranomaly

84.7260, 22.3201, -19.0537

## Tritanomaly

82.0210, 14.7796, -27.2054

# Monochromacy



## Original Color

83.8180, 22.7677, -22.6424

## Achromatopsia

84.0000, 0.0000, 0.0000

## Achromatomaly

83.8340, 8.4628, -7.7474

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 83.8180, 22.7677, -22.6424 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(58, 88, 130)` looks like.

```
.text, #text, p{  
    color:rgb(58, 88, 130)  
}
```

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(58, 88, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 88, 130) }
```

## Border

The CSS property to change the border of an element to YUV 83.8180, 22.7677, -22.6424 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(58, 88, 130) }
```



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

```
.border{ border-color:rgb(58, 88, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 88, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 88, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 88, 130);  
box-shadow:4px 4px 4px 4px rgb(58, 88,  
130) }
```

# Background

The CSS property to change the background color of an element to YUV 83.8180, 22.7677, -22.6424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 88, 130) }
```

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

```
.background{ background-color: rgb(58, 88,  
130) }
```

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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