

# Converting Colors

YUV(75.8260, 44.4558, 21.2006)

Have a look what the booklet for  
YUV(75.8260, 44.4558, 21.2006)  
contains.

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# Color

**YUV(75.8260, 44.4558,  
21.2006)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	642EA6
RGB	100, 46, 166
RGB Percent	39%, 18%, 65%
CMY	0.6078, 0.8196, 0.3490
CMYK	0.40, 0.72, 0.00, 0.35
HSL	267°, 57%, 42%
HSV	267°, 72%, 65%
XYZ	13.1155, 7.4165, 36.8167
YIQ	75.8260, -6.3360, 48.7680

# Conversions

## Conversions Part 2

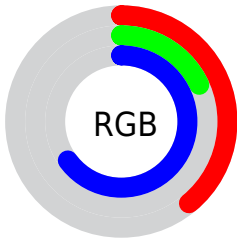
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	100, 46, 166
Decimal	6565542
CIE Lab	32.74, 48.30, -55.31
CIE LCh	33, 73.429, 311.134
Yxy	7.4165, 0.2287, 0.1293
Android (android.graphics.Color)	4284755622 (0xFF642EA6)
YUV	75.8260, 44.4558, 21.2006
Hunter-Lab	27.2332, 38.3070, -61.0910

# Details

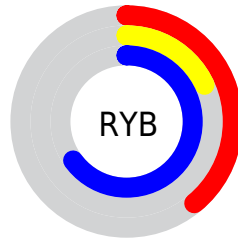
The YUV color **75.8260, 44.4558, 21.2006** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **136.1740, -44.4558, -21.2006**, and the grayscale version is **75.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **128.8910, 45.9027, 23.7746**, and **25.7390, 43.0197, 15.1379** is the 20% darker color. If you saturate the color by 10%, you get **63.1560, 50.7021, 24.4192**, and if you desaturate by 10%, it is **88.4960, 38.2095, 17.9820**.

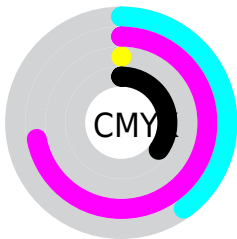
# Distribution



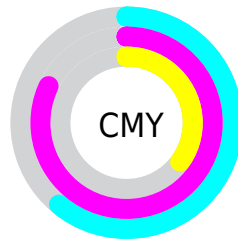
- Red (39%)
- Green (18%)
- Blue (65%)



- Red (39%)
- Yellow (18%)
- Blue (65%)



- Cyan (40%)
- Magenta (72%)
- Yellow (0%)
- Black (35%)



- Cyan (61%)
- Magenta (82%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 75.8260, 44.4558, 21.2006 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 75.8260, 44.4558, 21.2006 by changing the saturation by 10% instead.



■ 75.8260, 44.4558,  
21.2006

■ 75.8260, 44.4558,  
21.2006

■ 255.0000, 0.0000,  
0.0000

■ 48.5270, 44.6032,  
20.5858

■ 128.8910, 45.9027,  
23.7746

■ 25.7390, 43.0197,  
15.1379

■ 155.8310, 46.9183,  
24.7042

■ 12.7230, 37.1116,  
-3.2651

■ 180.2200, 36.8665,  
28.7481

■ 7.1820, 27.5183,  
-6.2986

■ 205.6260, 24.3414,  
32.7770

■ 6.3210, 16.6037,  
-5.5435

■ 225.6500, 14.4696,  
25.7400

■ 2.6390, 7.5730,  
-2.3144

■ 242.0860, 6.3666,

■ 0.0000, 0.0000,

11.3256

0.0000

■ 75.8260, 44.4558,  
21.2006

■ 75.8260, 44.4558,  
21.2006

■ 63.1560, 50.7021,  
24.4192

■ 88.4960, 38.2095,  
17.9820

■ 51.0730, 56.6590,  
27.1230

■ 100.5790, 32.2526,  
15.2782

■ 41.3490, 61.4529,  
29.5119

■ 113.2490, 26.0062,  
12.0596

■ 125.6310, 19.9019,  
9.9706

■ 138.3010, 13.6556,  
6.7520

■ 150.9710, 7.4093,  
3.5334

■ 163.0540, 1.4524,  
0.8296

■ 175.7240, -4.7939,  
-2.3889

■ 187.8070,  
-10.7509, -5.0927

# Harmonies

## Analogous

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



68.4890, 61.8769, -60.0649



75.8260, 44.4558, 21.2006



60.1670, 27.5257, 84.9225

# Triad

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



75.8260, 44.4558, 21.2006



72.2960, -35.6419, 45.3444



69.2850, 14.1565, -60.7629

# Complementary

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



75.8260, 44.4558, 21.2006



136.1740, -44.4558, -21.2006

# 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.



61.0430, -12.3462, -53.5347



75.8260, 44.4558, 21.2006



70.5590, -34.7856, 3.8948

# Square

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



75.8260, 44.4558, 21.2006



50.1770, -24.7373, 94.5608



54.0040, -26.6240, -47.3615



75.5550, 38.1804, -66.2617



# Rectangle

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



75.8260, 44.4558, 21.2006



60.0210, 8.8636, 97.3286



54.0040, -26.6240, -47.3615



67.0050, 5.4205, -58.7634

# Sweetspot

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



75.8260, 44.4558, 21.2006



181.0500, 17.7234, 8.7262



98.4220, 33.3160, -45.9741



88.1930, 10.7509, 5.0927



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

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



75.8260, 44.4558, 21.2006



74.9610, 70.0252, 33.3602



93.7660, 35.6114, 58.0872



78.1080, 2.9048, 1.6593



36.9050, 54.7698, 26.3933



4.9710, 7.4093, 3.5334



# Inverse Universe

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



89.4040, 11.1398, 67.1747



96.3670, 17.5671, 105.7951



118.2340, -35.6114, -58.0872



78.8480, 0.5679, 4.5183



53.4860, 13.5644, 82.8888

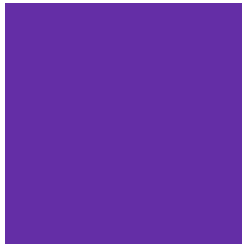


7.2340, 1.8566, 11.1958



# Previews

## White Background



This preview shows how the YUV color 75.8260, 44.4558, 21.2006 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 75.8260, 44.4558, 21.2006 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

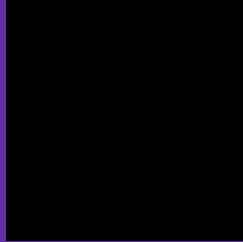
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 75.8260, 44.4558, 21.2006

## Background



This preview shows how black text looks on a background with the YUV color 75.8260, 44.4558, 21.2006.



This preview shows how white text looks on a background with the YUV color 75.8260, 44.4558,



# 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

75.8260, 44.4558, 21.2006

### Protanopia

62.0370, 47.3098, -54.4064

### Deuteranopia

61.9910, 36.9794, -54.3661



## Tritanopia

77.7770, 1.5889, 3.7036

# Trichromacy



## Original Color

75.8260, 44.4558, 21.2006

## Protanomaly

66.6860, 46.4968, -26.9116

## Deuteranomaly

66.9650, 39.9503, -27.1563

## Tritanomaly

76.9470, 17.2811, 10.5705

# Monochromacy



## Original Color

75.8260, 44.4558, 21.2006

## Achromatopsia

76.0000, 0.0000, 0.0000

## Achromatomaly

75.9960, 16.2710, 7.8965

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 75.8260, 44.4558, 21.2006 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(100, 46, 166)` looks like.

```
.text, #text, p{  
    color:rgb(100, 46, 166)  
}
```

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(100, 46, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 46, 166) }
```

## Border

The CSS property to change the border of an element to YUV 75.8260, 44.4558, 21.2006 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(100, 46, 166) }
```



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

```
.border{ border-color:rgb(100, 46, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 46, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 46, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 46, 166);  
box-shadow:4px 4px 4px 4px rgb(100, 46,  
166) }
```

# Background

The CSS property to change the background color of an element to YUV 75.8260, 44.4558, 21.2006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 46, 166) }
```

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

```
.background{ background-color: rgb(100, 46,  
166) }
```

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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