

# Converting Colors

YUV(61.6740, 88.9007, 45.8899)

Have a look what the booklet for  
YUV(61.6740, 88.9007, 45.8899)  
contains.

<b>YUV(61.6740, 88.9007, 45.8899)</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> .....	30

# Color

**YUV(61.6740, 88.9007,  
45.8899)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7200F2
RGB	114, 0, 242
RGB Percent	45%, 0%, 95%
CMY	0.5529, 1.0000, 0.0510
CMYK	0.53, 1.00, 0.00, 0.05
HSL	268°, 100%, 47%
HSV	268°, 100%, 95%
XYZ	22.9664, 9.9882, 84.7219
YIQ	61.6740, -9.7380, 99.4300

# Conversions

## Conversions Part 2

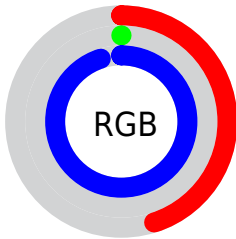
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	114, 0, 242
Decimal	7471346
CIE <sub>Lab</sub>	37.82, 79.44, -91.16
CIE <sub>LCh</sub>	38, 120.914, 311.070
Yxy	9.9882, 0.1952, 0.0849
Android (android.graphics.Color)	4285661426 (0xFF7200F2)
YUV	61.6740, 88.9007, 45.8899
Hunter-Lab	31.6041, 74.4071, -136.8170

# Details

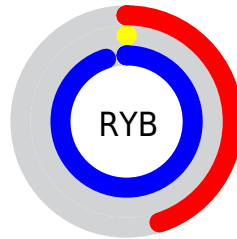
The YUV color **61.6740, 88.9007, 45.8899** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **180.3260, -88.9007, -45.8899**, and the grayscale version is **61.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **128.6650, 62.2832, 43.2668**, and **31.4410, 75.2116, 3.1212** is the 20% darker color. If you saturate the color by 10%, you get **61.6740, 88.9007, 45.8899**, and if you desaturate by 10%, it is **79.6490, 80.0390, 41.5268**.

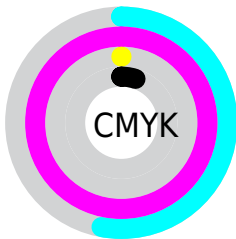
# Distribution



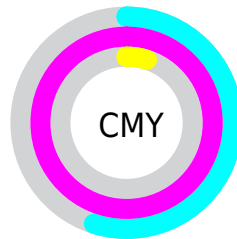
- Red (45%)
- Green (0%)
- Blue (95%)



- Red (45%)
- Yellow (0%)
- Blue (95%)



- Cyan (53%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (55%)
- Magenta (100%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 61.6740, 88.9007, 45.8899 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 61.6740, 88.9007, 45.8899 by changing the saturation by 10% instead.



61.6740, 88.9007,  
45.8899

61.6740, 88.9007,  
45.8899

255.0000, 0.0000,  
0.0000

47.9030, 81.3928,  
27.2721

128.6650, 62.2832,  
43.2668

31.4410, 75.2116,  
3.1212

155.2560, 49.1738,  
48.0105

17.7840, 68.1405,  
-15.5966

181.5480, 36.2118,  
52.1394

14.7060, 56.3469,  
-12.8972

202.1700, 26.0452,  
46.3319

11.7420, 44.9902,  
-10.2977

219.1930, 17.6529,  
31.4027

14.6480, 30.7395,  
-12.8463

236.8030, 8.9711,

9.0910, 22.1401,

15.9588

-7.9728

253.8260, 0.5788,  
1.0296

■ 4.7080, 12.9620,  
-4.1289

■ 0.3420, 1.3104,  
-0.2999

■ 61.6740, 88.9007,  
45.8899

■ 79.6490, 80.0390,  
41.5268

■ 97.6240, 71.1774,  
37.1638

■ 115.8870, 62.1737,  
31.6711

■ 133.8620, 53.3120,  
27.3080

■ 151.8370, 44.4504,  
22.9450

■ 169.8120, 35.5887,  
18.5819

■ 187.7870, 26.7270,  
14.2188

■ 206.0500, 17.7234,  
8.7262

■ 224.0250, 8.8617,  
4.3631

# Harmonies

## Analogous

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



86.0090, 83.3126, -75.4299



61.6740, 88.9007, 45.8899



83.4500, 35.2741, 119.7544

# Triad

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



61.6740, 88.9007, 45.8899



80.4020, -39.6382, 67.1764



84.1030, 20.1622, -73.7583

# Complementary

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



61.6740, 88.9007, 45.8899



180.3260, -88.9007, -45.8899

# 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.



69.0040, -30.0750, -60.5165



61.6740, 88.9007, 45.8899



79.3640, -39.1265, -3.8272

# Square

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



61.6740, 88.9007, 45.8899



64.2850, -31.6925, 132.1771



65.7440, -32.4118, -57.6575



96.6940, 60.7899, -84.8006



# Rectangle

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



61.6740, 88.9007, 45.8899



82.4330, 4.2235, 139.0633



65.7440, -32.4118, -57.6575



79.6400, 5.6005, -69.8443

# Sweetspot

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



61.6740, 88.9007, 45.8899



198.4280, 27.8900, 14.5336



103.3110, 68.3737, -90.6037



93.5230, 16.9972, 8.3113



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.



61.6740, 88.9007, 45.8899



64.9500, 93.6947, 48.2789



97.5540, 71.2119, 119.6631



111.1620, 4.3571, 2.4889



46.6900, 67.6938, 34.4749



14.1580, 20.6281, 10.3854



# Inverse Universe

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



86.9500, 20.2376, 135.9789



91.6350, 21.3789, 143.2711



144.4460, -71.2119, -119.6631



112.2720, 0.8519, 6.7775



66.0740, 15.2465, 103.4211

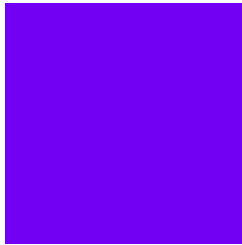


20.1640, 4.8491, 31.4282



# Previews

## White Background



This preview shows how the YUV color 61.6740, 88.9007, 45.8899 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

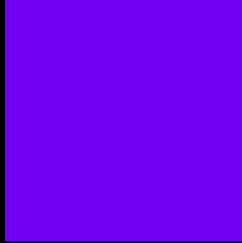
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YUV color 61.6740, 88.9007, 45.8899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

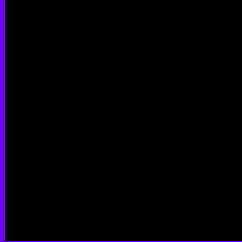
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YUV 61.6740, 88.9007, 45.8899

## Background



This preview shows how black text looks on a background with the YUV color 61.6740, 88.9007, 45.8899.



This preview shows how white text looks on a background with the YUV color 61.6740, 88.9007,



# 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



### Protanopia

71.9310, 54.7570, -63.0835

### Deuteranopia

72.4890, 41.6639, -63.5729

### Tritanopia

87.7360, 7.0322, -15.5545

# Trichromacy



## Protanomaly

67.8000, 67.1466, -23.5036

## Deuteranomaly

68.3240, 59.0003, -23.9631

## Tritanomaly

78.3760, 36.7896, 6.6862

# Monochromacy



## Achromatopsia

62.0000, 0.0000, 0.0000

## Achromatomaly

61.5900, 32.2471, 17.0226

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 61.6740, 88.9007, 45.8899 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(114, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(114, 0, 242)  
}
```

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(114, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 0, 242) }
```

## Border

The CSS property to change the border of an element to YUV 61.6740, 88.9007, 45.8899 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(114, 0, 242) }
```

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

```
.border{ border-color:rgb(114, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(114, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(114, 0,  
242) }
```



# Background

The CSS property to change the background color of an element to YUV 61.6740, 88.9007, 45.8899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 0, 242) }
```

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

```
.background{ background-color: rgb(114, 0,  
242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**