

Converting Colors

YUV(83.7590, 45.9678, 2.8424)

Have a look what the booklet for
YUV(83.7590, 45.9678, 2.8424)
contains.

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Color

**YUV(83.7590, 45.9678,
2.8424)**

Conversions

Conversions Part 1

Format	Color
Hex	5740B1
RGB	87, 64, 177
RGB Percent	34%, 25%, 69%
CMY	0.6588, 0.7490, 0.3059
CMYK	0.51, 0.64, 0.00, 0.31
HSL	252°, 47%, 47%
HSV	252°, 64%, 69%
XYZ	13.6997, 8.8674, 42.5845
YIQ	83.7590, -22.5650, 40.0190

Conversions

Conversions Part 2

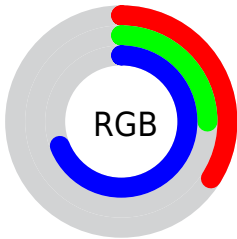
Format	Color
R_{YB}	87, 64, 177
Decimal	5718193
CIE _{Lab}	35.73, 39.19, -57.07
CIE _{LCh}	36, 69.236, 304.477
Yxy	8.8674, 0.2103, 0.1361
Android (android.graphics.Color)	4283908273 (0xFF5740B1)
YUV	83.7590, 45.9678, 2.8424
Hunter-Lab	29.7781, 30.0089, -63.9436

Details

The YUV color **83.7590, 45.9678, 2.8424** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **157.2410, -45.9678, -2.8424**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **136.0630, 48.2829, 6.9607**, and **31.1660, 45.2742, -8.0386** is the 20% darker color. If you saturate the color by 10%, you get **69.0070, 53.2405, 3.5019**, and if you desaturate by 10%, it is **98.5110, 38.6951, 2.1829**.

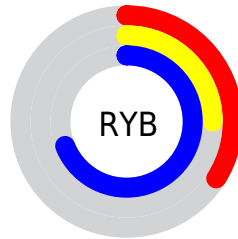
Distribution



Red (34%)

Green (25%)

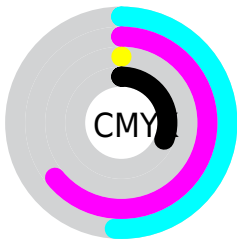
Blue (69%)



Red (34%)

Yellow (25%)

Blue (69%)

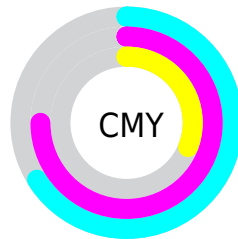


Cyan (51%)

Magenta (64%)

Yellow (0%)

Black (31%)



Cyan (66%)

Magenta (75%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the YUV color 83.7590, 45.9678, 2.8424 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 83.7590, 45.9678, 2.8424 by changing the saturation by 10% instead.

■ 83.7590, 45.9678,
2.8424

■ 83.7590, 45.9678,
2.8424

■ 255.0000, 0.0000,
0.0000

■ 58.5090, 45.1051,
-0.4464

■ 136.0630, 48.2829,
6.9607

■ 31.1660, 45.2742,
-8.0386

■ 162.0910, 45.8041,
8.6902

■ 11.1720, 42.8062,
-9.7978

■ 186.6110, 33.7158,
12.6192

■ 8.3220, 31.8863,
-7.2984

■ 211.4300, 21.4800,
17.1629

■ 7.9340, 20.2455,
-6.9581

■ 235.0420, 9.8393,
17.5032

■ 3.7790, 11.9410,
-3.3142

■ 252.0650, 1.4470,

■ 0.0000, 0.0000,

2.5740

0.0000

■ 83.7590, 45.9678,
2.8424

■ 83.7590, 45.9678,
2.8424

■ 69.0070, 53.2405,
3.5019

■ 98.5110, 38.6951,
2.1829

■ 54.8420, 60.2239,
3.6466

■ 112.6760, 31.7117,
2.0381

■ 40.0900, 67.4966,
4.3061

■ 127.4280, 24.4390,
1.3786

■ 30.9420, 72.0066,
4.4359

■ 142.1800, 17.1663,
0.7191

■ 156.9320, 9.8935,
0.0596

■ 171.3960, 2.7628,
0.5297

■ 186.1480, -4.5100,
-0.1298

■ 200.9000,
-11.7827, -0.7893

■ 215.0650,
-18.7660, -0.9340

Harmonies

Analogous

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



74.7010, 60.2934, -65.5128



83.7590, 45.9678, 2.8424



69.4260, 31.3420, 74.1714

Triad

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



83.7590, 45.9678, 2.8424



77.6670, -38.2898, 54.6660



72.5960, 9.0732, -63.6667

Complementary

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



83.7590, 45.9678, 2.8424



157.2410, -45.9678, -2.8424

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.



64.5820, -16.5559, -56.6384



83.7590, 45.9678, 2.8424



78.5990, -38.7493, 15.2607

Square

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



83.7590, 45.9678, 2.8424



62.6590, -19.0589, 93.2611



66.8060, -32.9354, -29.6479



78.8660, 33.0971, -69.1655

Rectangle

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



83.7590, 45.9678, 2.8424



62.7850, 16.8680, 96.6586



66.8060, -32.9354, -29.6479



69.8430, 1.0634, -61.2523

Sweetspot

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



83.7590, 45.9678, 2.8424



193.7070, 17.8924, 1.1340



129.7120, 23.3130, -57.6294



92.8720, 10.9091, 0.9893



242.0000, 0.0000, 0.0000



115.0000, 0.0000, 0.0000

Same Dimension

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



83.7590, 45.9678, 2.8424



83.9420, 72.0066, 4.4359



100.5030, 37.7130, 37.2699



81.6240, 3.6364, 0.3298



26.7110, 62.2605, 3.7615



4.4590, 10.6197, 0.4745

Inverse Universe

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



108.0470, 22.6548, 60.4718



121.9970, 35.4975, 94.7186



140.4970, -37.7130, -37.2699



83.4890, 1.7309, 4.8331



59.6550, 30.7361, 81.8636



10.0540, 4.9034, 13.9846

Previews

White Background



This preview shows how the YUV color 83.7590, 45.9678, 2.8424 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 83.7590, 45.9678, 2.8424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

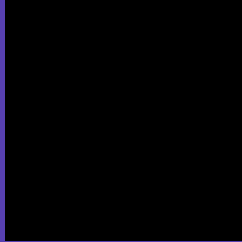
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 83.7590, 45.9678, 2.8424

Background



This preview shows how black text looks on a background with the YUV color 83.7590, 45.9678, 2.8424.



This preview shows how white text looks on a background with the YUV color 83.7590, 45.9678,

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

83.7590, 45.9678, 2.8424

Protanopia

67.1550, 51.6886, -58.8949

Deuteranopia

67.4680, 40.1953, -59.1694



Tritanopia

81.0240, 6.8902, -16.6840

Trichromacy



Original Color

83.7590, 45.9678, 2.8424

Protanomaly

73.4290, 49.5815, -36.3332

Deuteranomaly

73.4800, 42.1614, -36.3780

Tritanomaly

81.8520, 21.2720, -9.5172

Monochromacy



Original Color

83.7590, 45.9678, 2.8424

Achromatopsia

84.0000, 0.0000, 0.0000

Achromatomaly

84.0660, 16.7295, 0.8191

CSS Examples

Text

The CSS property to change the color of the text to YUV 83.7590, 45.9678, 2.8424 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(87, 64, 177)` looks like.

```
.text, #text, p{  
    color:rgb(87, 64, 177)  
}
```

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(87, 64, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 64, 177) }
```

Border

The CSS property to change the border of an element to YUV 83.7590, 45.9678, 2.8424 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(87, 64, 177) }
```


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

```
.border{ border-color:rgb(87, 64, 177) }
```

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

Here you see how a box with a 4 pixel rgb(87, 64, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 64, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 64, 177);  
box-shadow:4px 4px 4px 4px rgb(87, 64,  
177) }
```

Background

The CSS property to change the background color of an element to YUV 83.7590, 45.9678, 2.8424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 64, 177) }
```

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

```
.background{ background-color: rgb(87, 64,  
177) }
```

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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