

Converting Colors

YUV(83.4650, 55.4798, 32.0412)

Have a look what the booklet for
YUV(83.4650, 55.4798, 32.0412)
contains.

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Color

**YUV(83.4650, 55.4798,
32.0412)**

Conversions

Conversions Part 1

Format	Color
Hex	782BC4
RGB	120, 43, 196
RGB Percent	47%, 17%, 77%
CMY	0.5294, 0.8314, 0.2314
CMYK	0.39, 0.78, 0.00, 0.23
HSL	270°, 64%, 47%
HSV	270°, 78%, 77%
XYZ	18.5734, 9.7063, 53.1191
YIQ	83.4650, -3.2210, 63.9070

Conversions

Conversions Part 2

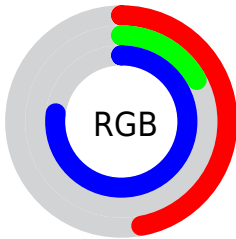
Format	Color
R _{YB}	120, 43, 196
Decimal	7875524
CIE Lab	37.31, 60.36, -65.53
CIE LCh	37, 89.096, 312.650
Yxy	9.7063, 0.2282, 0.1192
Android (android.graphics.Color)	4286065604 (0xFF782BC4)
YUV	83.4650, 55.4798, 32.0412
Hunter-Lab	31.1550, 51.8935, -79.2807

Details

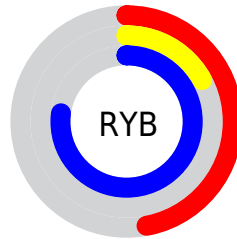
The YUV color **83.4650, 55.4798, 32.0412** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **155.5350, -55.4798, -32.0412**, and the grayscale version is **83.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.1170, 56.6373, 34.1004**, and **34.3130, 52.5967, 23.4045** is the 20% darker color. If you saturate the color by 10%, you get **68.7350, 62.7416, 36.1894**, and if you desaturate by 10%, it is **98.1950, 48.2179, 27.8930**.

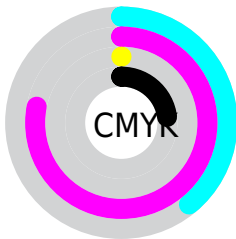
Distribution



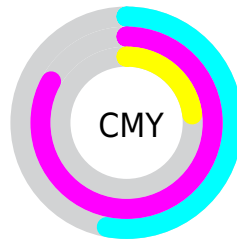
- Red (47%)
- Green (17%)
- Blue (77%)



- Red (47%)
- Yellow (17%)
- Blue (77%)



- Cyan (39%)
- Magenta (78%)
- Yellow (0%)
- Black (23%)



- Cyan (53%)
- Magenta (83%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the YUV color 83.4650, 55.4798, 32.0412 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 83.4650, 55.4798, 32.0412 by changing the saturation by 10% instead.

83.4650, 55.4798,
32.0412

83.4650, 55.4798,
32.0412

255.0000, 0.0000,
0.0000

50.4700, 57.9423,
35.5448

139.1170, 56.6373,
34.1004

34.3130, 52.5967,
23.4045

164.0500, 44.8384,
38.5442

20.5850, 46.5466,
3.8720

189.4560, 32.3132,
42.5731

10.1460, 38.8750,
-8.8980

210.9750, 21.7043,
38.6099

8.5840, 27.8131,
-7.5282

227.4110, 13.6014,
24.1956

6.4350, 17.0405,
-5.6435

244.4340, 5.2090,

2.8670, 8.4466,

9.2664

-2.5144

■ 0.0000, 0.0000,
0.0000

■ 83.4650, 55.4798,
32.0412

■ 83.4650, 55.4798,
32.0412

■ 68.7350, 62.7416,
36.1894

■ 98.1950, 48.2179,
27.8930

■ 54.8910, 69.5667,
40.4376

■ 112.0390, 41.3928,
23.6448

■ 51.9450, 71.0191,
41.2672

■ 126.7690, 34.1309,
19.4966

■ 140.9120, 27.1584,
15.8632

■ 155.6420, 19.8965,
11.7150

■ 170.0730, 12.7820,
6.9520

■ 184.2160, 5.8095,
3.3186

■ 198.9460, -1.4524,
-0.8296

■ 213.0890, -8.4249,
-4.4631

Harmonies

Analogous

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



78.6910, 75.5813, -69.0120



83.4650, 55.4798, 32.0412



71.6730, 30.2342, 102.8958

Triad

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



83.4650, 55.4798, 32.0412



82.0750, -40.4630, 51.6772



80.3700, 18.5516, -70.4845

Complementary

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



83.4650, 55.4798, 32.0412



155.5350, -55.4798, -32.0412

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.



70.3040, -14.9399, -61.6566



83.4650, 55.4798, 32.0412



79.6850, -39.2847, 0.2763

Square

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



83.4650, 55.4798, 32.0412



55.3150, -27.2703, 113.7337



62.8090, -30.9648, -55.0835



88.1220, 48.2539, -77.2830

Rectangle

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



83.4650, 55.4798, 32.0412



70.6860, 7.0568, 116.9164



62.8090, -30.9648, -55.0835



76.9330, 7.9210, -67.4702

Sweetspot

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



83.4650, 55.4798, 32.0412



211.6960, 21.3489, 12.5446



105.6410, 44.5470, -54.9362



101.4860, 13.0714, 7.4668



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.



83.4650, 55.4798, 32.0412



78.5390, 86.9953, 50.3933



106.1890, 44.2768, 78.7642



89.6350, 3.6309, 2.0741



42.5730, 58.3845, 33.7005



8.8450, 11.9084, 7.1519

Inverse Universe

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



97.4110, 10.6434, 86.4626



100.3260, 16.6013, 135.6491



132.8110, -44.2768, -78.7642



90.5600, 0.7099, 5.6479



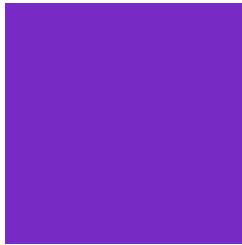
57.2590, 11.2113, 90.9809



11.6910, 2.1243, 18.6880

Previews

White Background



This preview shows how the YUV color 83.4650, 55.4798, 32.0412 looks on a white background.

Color Contrast Check

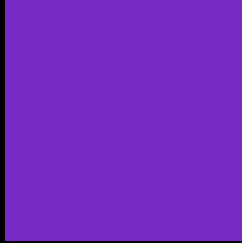
Large Text (above 18pt) WCAG AA ✓ Pass

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 83.4650, 55.4798, 32.0412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

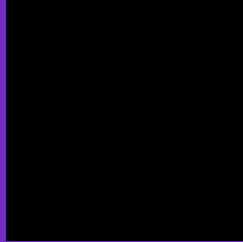
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 83.4650, 55.4798, 32.0412

Background



This preview shows how black text looks on a background with the YUV color 83.4650, 55.4798, 32.0412.



This preview shows how white text looks on a background with the YUV color 83.4650, 55.4798,

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

83.4650, 55.4798, 32.0412

Protanopia

70.4150, 54.0254, -61.7540

Deuteranopia

71.0870, 41.3691, -62.3433



Tritanopia

88.9840, 0.9939, 7.9070

Trichromacy



Original Color

83.4650, 55.4798, 32.0412

Protanomaly

75.4500, 54.5012, -27.5816

Deuteranomaly

75.9740, 46.3548, -28.0412

Tritanomaly

86.9030, 20.7538, 16.7481

Monochromacy



Original Color

83.4650, 55.4798, 32.0412

Achromatopsia

83.0000, 0.0000, 0.0000

Achromatomaly

82.7560, 20.3333, 11.6150

CSS Examples

Text

The CSS property to change the color of the text to YUV 83.4650, 55.4798, 32.0412 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(120, 43, 196)` looks like.

```
.text, #text, p{  
    color:rgb(120, 43, 196)  
}
```

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(120, 43, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 43, 196) }
```

Border

The CSS property to change the border of an element to YUV 83.4650, 55.4798, 32.0412 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(120, 43, 196) }
```


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

```
.border{ border-color:rgb(120, 43, 196) }
```

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

Here you see how a box with a 4 pixel rgb(120, 43, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 43, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 43, 196);  
box-shadow:4px 4px 4px 4px rgb(120, 43,  
196) }
```

Background

The CSS property to change the background color of an element to YUV 83.4650, 55.4798, 32.0412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 43, 196) }
```

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

```
.background{ background-color: rgb(120, 43,  
196) }
```

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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