

Converting Colors

YUV(87.7950, 75.0371, 12.4578)

Have a look what the booklet for
YUV(87.7950, 75.0371, 12.4578)
contains.

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Color

**YUV(87.7950, 75.0371,
12.4578)**

Conversions

Conversions Part 1

Format	Color
Hex	6633F0
RGB	102, 51, 240
RGB Percent	40%, 20%, 94%
CMY	0.6000, 0.8000, 0.0588
CMYK	0.57, 0.79, 0.00, 0.06
HSL	256°, 86%, 57%
HSV	256°, 79%, 94%
XYZ	22.3915, 11.4837, 83.4745
YIQ	87.7950, -30.2730, 69.5910

Conversions

Conversions Part 2

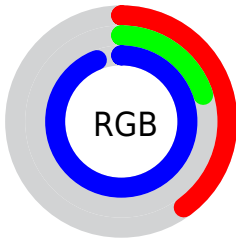
Format	Color
R _Y B	102, 51, 240
Decimal	6697968
CIE Lab	40.38, 65.77, -85.83
CIE LCh	40, 108.136, 307.462
Yxy	11.4837, 0.1908, 0.0979
Android (android.graphics.Color)	4284888048 (0xFF6633F0)
YUV	87.7950, 75.0371, 12.4578
Hunter-Lab	33.8876, 58.6419, -122.3262

Details

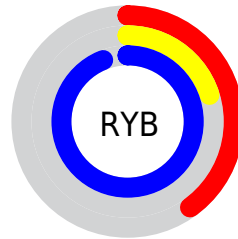
The YUV color **87.7950, 75.0371, 12.4578** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **203.2050, -75.0371, -12.4578**, and the grayscale version is **87.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **139.7520, 56.8173, 23.0195**, and **22.5420, 78.6128, -14.5073** is the 20% darker color. If you saturate the color by 10%, you get **68.3250, 84.6358, 13.7470**, and if you desaturate by 10%, it is **107.2650, 65.4384, 11.1686**.

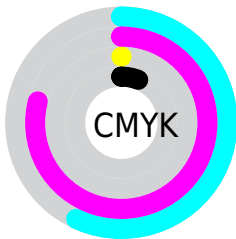
Distribution



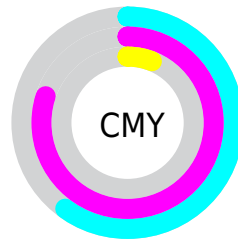
- Red (40%)
- Green (20%)
- Blue (94%)



- Red (40%)
- Yellow (20%)
- Blue (94%)



- Cyan (57%)
- Magenta (79%)
- Yellow (0%)
- Black (6%)



- Cyan (60%)
- Magenta (80%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the YUV color 87.7950, 75.0371, 12.4578 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 87.7950, 75.0371, 12.4578 by changing the saturation by 10% instead.

87.7950, 75.0371,
12.4578

87.7950, 75.0371,
12.4578

255.0000, 0.0000,
0.0000

56.1150, 76.3583,
8.6691

139.7520, 56.8173,
23.0195

22.5420, 78.6128,
-14.5073

164.8700, 44.4341,
28.1780

17.6700, 67.7037,
-15.4966

190.5750, 31.7615,
32.8217

14.5920, 55.9101,
-12.7972

215.0840, 19.6786,
35.0063

11.5140, 44.1166,
-10.0978

231.5200, 11.5756,
20.5920

13.9470, 30.5921,
-12.2315

248.5430, 3.1833,

8.8630, 21.2665,

5.6628

-7.7729

■ 4.5940, 12.5252,
-4.0289

■ 0.1140, 0.4368,
-0.1000

■ 87.7950, 75.0371,
12.4578

■ 87.7950, 75.0371,
12.4578

■ 68.3250, 84.6358,
13.7470

■ 107.2650, 65.4384,
11.1686

■ 49.1540, 94.0871,
15.6509

■ 126.4360, 55.9871,
9.2646

■ 46.7950, 95.2501,
15.9658

■ 145.9060, 46.3883,
7.9754

■ 165.0770, 36.9370,
6.0715

■ 184.5470, 27.3383,
4.7823

■ 203.7180, 17.8870,
2.8783

■ 223.1880, 8.2883,
1.5891

■ 242.3590, -1.1630,
-0.3148

■ 253.2900, -6.5520,
1.4997

Harmonies

Analogous

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



90.1180, 81.2868, -79.0335



87.7950, 75.0371, 12.4578



81.3010, 41.2636, 111.9920

Triad

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



87.7950, 75.0371, 12.4578



85.4520, -42.1278, 72.3946



86.5990, 14.4947, -75.9473

Complementary

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



87.7950, 75.0371, 12.4578



203.2050, -75.0371, -12.4578

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.



72.6400, -31.3745, -63.7053



87.7950, 75.0371, 12.4578



87.7030, -43.2376, 8.1535

Square

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



87.7950, 75.0371, 12.4578



65.1820, -32.1347, 134.0214



68.0920, -33.5694, -59.7167



97.8050, 52.3541, -85.7750

Rectangle

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



87.7950, 75.0371, 12.4578



81.8650, 12.3916, 132.5454



68.0920, -33.5694, -59.7167



82.4780, 1.2433, -72.3332

Sweetspot

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



87.7950, 75.0371, 12.4578



205.7380, 24.2862, 3.7378



154.1390, 42.3295, -90.4529



98.2080, 14.6875, 2.4486



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.



87.7950, 75.0371, 12.4578



60.0230, 96.1237, 15.7658



115.9010, 61.1808, 70.2468



110.2650, 4.7994, 0.6446



35.9260, 73.0005, 12.3429



10.8690, 22.2496, 3.6229

Inverse Universe

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



123.2430, 32.4182, 102.3959



105.5360, 41.6408, 131.0799



175.0990, -61.1808, -70.2468



112.6140, 2.1623, 6.4775



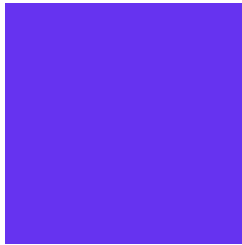
70.2920, 31.4080, 99.7219



21.4180, 9.6539, 30.3284

Previews

White Background



This preview shows how the YUV color 87.7950, 75.0371, 12.4578 looks on a white background.

Color Contrast Check

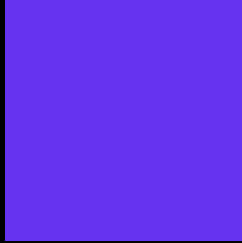
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YUV color 87.7950, 75.0371, 12.4578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

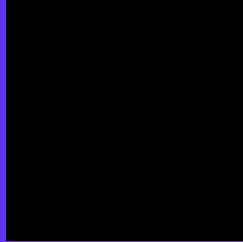
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 87.7950, 75.0371, 12.4578

Background



This preview shows how black text looks on a background with the YUV color 87.7950, 75.0371, 12.4578.



This preview shows how white text looks on a background with the YUV color 87.7950, 75.0371,

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

87.7950, 75.0371, 12.4578

Protanopia

75.3050, 57.5306, -66.0425

Deuteranopia

76.3360, 43.7114, -66.9467



Tritanopia

87.4780, 11.5963, -32.8682

Trichromacy



Original Color

87.7950, 75.0371, 12.4578

Protanomaly

79.5010, 63.8430, -37.2734

Deuteranomaly

80.4980, 54.9705, -38.1477

Tritanomaly

87.3640, 34.8235, -16.1052

Monochromacy



Original Color

87.7950, 75.0371, 12.4578

Achromatopsia

88.0000, 0.0000, 0.0000

Achromatomaly

88.1340, 27.0489, 4.2675

CSS Examples

Text

The CSS property to change the color of the text to YUV 87.7950, 75.0371, 12.4578 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(102, 51, 240)` looks like.

```
.text, #text, p{  
    color:rgb(102, 51, 240)  
}
```

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(102, 51, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 51, 240) }
```

Border

The CSS property to change the border of an element to YUV 87.7950, 75.0371, 12.4578 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(102, 51, 240) }
```


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

```
.border{ border-color:rgb(102, 51, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 51, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 51, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 51, 240);  
box-shadow:4px 4px 4px 4px rgb(102, 51,  
240) }
```

Background

The CSS property to change the background color of an element to YUV 87.7950, 75.0371, 12.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 51, 240) }
```

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

```
.background{ background-color: rgb(102, 51,  
240) }
```

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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