

Converting Colors

YUV(66.9780, 71.0028, 46.5003)

Have a look what the booklet for
YUV(66.9780, 71.0028, 46.5003)
contains.

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Color

**YUV(66.9780, 71.0028,
46.5003)**

Conversions

Conversions Part 1

Format	Color
Hex	780CD3
RGB	120, 12, 211
RGB Percent	47%, 5%, 83%
CMY	0.5294, 0.9529, 0.1725
CMYK	0.43, 0.94, 0.00, 0.17
HSL	273°, 89%, 44%
HSV	273°, 94%, 83%
XYZ	19.6351, 8.9592, 62.3224
YIQ	66.9780, 0.4890, 84.7850

Conversions

Conversions Part 2

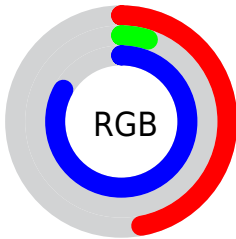
Format	Color
R _Y B	120, 12, 211
Decimal	7867603
CIE Lab	35.91, 71.84, -76.57
CIE LCh	36, 104.994, 313.178
Yxy	8.9592, 0.2160, 0.0985
Android (android.graphics.Color)	4286057683 (0xFF780CD3)
YUV	66.9780, 71.0028, 46.5003
Hunter-Lab	29.9319, 64.7139, -102.4980

Details

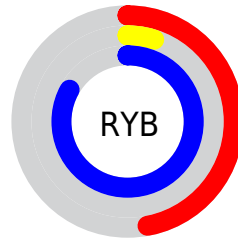
The YUV color **66.9780, 71.0028, 46.5003** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **156.0220, -71.0028, -46.5003**, and the grayscale version is **66.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **130.4370, 61.4096, 43.4668**, and **34.4140, 59.4489, 18.9309** is the 20% darker color. If you saturate the color by 10%, you get **58.4390, 75.2126, 49.6040**, and if you desaturate by 10%, it is **82.2950, 63.4516, 41.8373**.

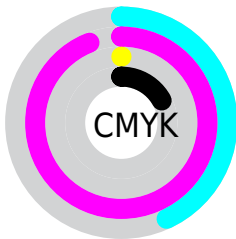
Distribution



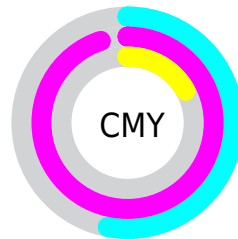
- Red (47%)
- Green (5%)
- Blue (83%)



- Red (47%)
- Yellow (5%)
- Blue (83%)



- Cyan (43%)
- Magenta (94%)
- Yellow (0%)
- Black (17%)



- Cyan (53%)
- Magenta (95%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the YUV color 66.9780, 71.0028, 46.5003 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 66.9780, 71.0028, 46.5003 by changing the saturation by 10% instead.

66.9780, 71.0028,
46.5003

66.9780, 71.0028,
46.5003

255.0000, 0.0000,
0.0000

47.4730, 66.8148,
36.4192

130.4370, 61.4096,
43.4668

34.4140, 59.4489,
18.9309

156.1420, 48.7370,
48.1105

16.3860, 55.0257,
-9.1085

181.5480, 36.2118,
52.1394

11.6280, 44.5534,
-10.1978

202.7570, 25.7558,
45.8171

9.3650, 33.3441,
-8.2131

219.1930, 17.6529,
31.4027

8.9770, 21.7033,
-7.8728

236.2160, 9.2605,

4.7080, 12.9620,

16.4736

-4.1289

253.8260, 0.5788,
1.0296

■ 0.1140, 0.4368,
-0.1000

■ 0.0000, 0.0000,
0.0000

■ 66.9780, 71.0028,
46.5003

■ 66.9780, 71.0028,
46.5003

■ 58.4390, 75.2126,
49.6040

■ 82.2950, 63.4516,
41.8373

■ 97.3130, 56.0477,
36.5595

■ 112.6300, 48.4964,
31.8965

■ 127.9470, 40.9451,
27.2335

■ 143.5520, 33.2519,
21.4409

■ 158.8690, 25.7006,
16.7779

■ 174.1860, 18.1493,
12.1149

■ 189.2040, 10.7454,
6.8371

■ 204.5210, 3.1941,
2.1741

Harmonies

Analogous

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



80.1390, 86.2065, -70.2819



66.9780, 71.0028, 46.5003



75.4890, 29.3389, 110.0731

Triad

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



66.9780, 71.0028, 46.5003



77.9660, -38.4372, 55.2808



79.5380, 20.4408, -69.7548

Complementary

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



66.9780, 71.0028, 46.5003



156.0220, -71.0028, -46.5003

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.



67.8760, -19.1659, -59.5273



66.9780, 71.0028, 46.5003



75.2220, -37.0844, -5.4567

Square

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



66.9780, 71.0028, 46.5003



57.4080, -28.3021, 118.0372



61.6350, -30.3861, -54.0539



89.8320, 54.8058, -78.7827

Rectangle

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



66.9780, 71.0028, 46.5003



74.0030, 2.9565, 125.4084



61.6350, -30.3861, -54.0539



76.2320, 7.7736, -66.8555

Sweetspot

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



66.9780, 71.0028, 46.5003



203.4560, 25.4112, 16.2631



89.2770, 60.0094, -67.7719



96.1920, 15.6813, 10.3556



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.



66.9780, 71.0028, 46.5003



70.3320, 91.0413, 59.3448



93.3890, 54.5312, 103.1448



97.0480, 3.9203, 2.5889



46.3610, 59.9680, 39.1484



11.2520, 14.6658, 9.4260

Inverse Universe

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



81.8750, 10.4146, 113.2426



89.5830, 13.5166, 145.0707



129.6110, -54.5312, -103.1448



97.8590, 0.5625, 6.2627



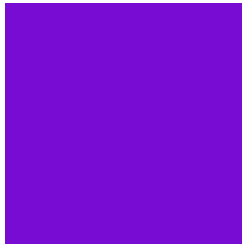
59.0100, 8.8691, 95.5842



14.4250, 2.2555, 23.3063

Previews

White Background



This preview shows how the YUV color 66.9780, 71.0028, 46.5003 looks on a white background.

Color Contrast Check

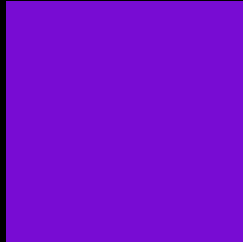
Large Text (above 18pt) WCAG AA ✓ Pass

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 66.9780, 71.0028, 46.5003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

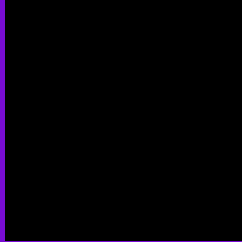
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YUV 66.9780, 71.0028, 46.5003

Background



This preview shows how black text looks on a background with the YUV color 66.9780, 71.0028, 46.5003.



This preview shows how white text looks on a background with the YUV color 66.9780, 71.0028,

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

66.9780, 71.0028, 46.5003

Protanopia

68.5570, 51.9834, -60.1245

Deuteranopia

68.6420, 39.6165, -60.1990



Tritanopia

86.3750, 1.2941, 4.9331

Trichromacy



Original Color

66.9780, 71.0028, 46.5003



Protanomaly

67.9330, 58.7000, -20.9892



Deuteranomaly

67.9840, 51.2799, -21.0340



Tritanomaly

79.1190, 26.5633, 20.0666

Monochromacy



Original Color

66.9780, 71.0028, 46.5003



Achromatopsia

67.0000, 0.0000, 0.0000



Achromatomaly

66.8690, 25.7006, 16.7779

CSS Examples

Text

The CSS property to change the color of the text to YUV 66.9780, 71.0028, 46.5003 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, 12, 211)` looks like.

```
.text, #text, p{  
    color:rgb(120, 12, 211)  
}
```

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, 12, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 12, 211) }
```

Border

The CSS property to change the border of an element to YUV 66.9780, 71.0028, 46.5003 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, 12, 211) }
```


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

```
.border{ border-color:rgb(120, 12, 211) }
```

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

Here you see how a box with a 4 pixel rgb(120, 12, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 12, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 12, 211);  
box-shadow:4px 4px 4px 4px rgb(120, 12,  
211) }
```

Background

The CSS property to change the background color of an element to YUV 66.9780, 71.0028, 46.5003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 12, 211) }
```

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

```
.background{ background-color: rgb(120, 12,  
211) }
```

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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